

SERVICE MANUAL

BE-3E CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-28DX30U	RM-888	UK	SCC-Q25H-A	KV-32DX30U	RM-888	UK	SCC-Q25J-A

FD Trinitron





TRINITRON © COLOR TV

SONY®

TABLE OF CONTENTS

Sec	ction	Title		Page	Sec	ction		Title		Page
		Specifications		3	4.	CIRCU	IJΤ	ADJUSTMENTS		
		Connectors		4		4-1		Electrical Adjustments		24
		Self Diagnostic Software		5		4-2		TT Test Mode		27
						4-3		T Test Mode		28
1.	GENERA	.L								
		Overview of the Remote Contr	ol	9	5.	DIAGR	AN	IS		
		AutomaticallyTuning the TV		9		5-1		Block Diagram (1)		29
		Finding your video channel		9				Block Diagram (2)		33
		Rearranging the TV Channels		10				Block Diagram (3)		37
		Adjusting the Picture		10				Block Diagram (4)		41
		Adjusting the Sound		11		5-2		Circuit Board Location		44
		Setting up Dolby Pro Logic		11		5-3		Schematic Diagrams and		
		Changing the Screen Mode		12				Printed Wiring Boards		44
		ManuallyTuning the TV		12				* C Board		45
		Viewing Standard Teletext		13				* D Board		49
		Viewing Digital Teletext		13				* D2 Board		52
		Specifications		14				* VM Board		54
		Troubleshooting		14				* H Board		56
		8						* A Board		59
2.	DISASSE	MBLY						* A2 Board		65
	2-1.	Rear Cover Removal		15				* J Board		70
	2-2.	Chassis Removal		15				* D1 Board		71
	2-3.	N Board Removal		15				* H7 Board		74
	2-4.	Service Position		16				* F4 Board		76
	2-5.	A Board Removal		16				* H8 Board		76
	2-6.	A Extension Board		16				* N Board		77
	2-7.	Side Control Removal		17		5-4		Semiconductors		90
	2-8.	F4 Bracket Removal		17		5-5		IC Blocks		93
	2-9.	F4 and H8 Board Removal		17		3-3	•	IC Blocks	••••••	93
	2-10.	Picture Tube Removal		18	6	EVDLO	יחנ	ED VIEWS		
	2 10.	Bottom Plates		19	0.					05
		Bottom rates	•••••	17		6-1	-	Chassis	•••••	95
3	SET-LID /	ADJUSTMENTS				6-2	•	Picture Tube	•••••	96
٥.	3-1.	Beam Landing		20	7	ELECT	ъ.	CAL PARTS LIST		97
	3-1. 3-2.	Convergence		20	7.	LLEUI	יוח	CAL FARTS LIST		91
	3-2. 3-3.	Focus, Screen [G2] Adjustmen		23						
	3-3. 3-4.	White Balance		23						
	J- 4 .	Willie Dalalice		43						

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATION TRANSFORMER MUST BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE △ SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
UK	I	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

Model	KV-28DX30U	KV-32DX30U
Power Consumption	136W	134W

	<u>'</u>	<u> </u>			
Picture Tube	FD Trinitron Wide Approx 71 cm (28 inches) (Approx 66cm picture measured diagonally) Approx 82 cm (32 inches) (Approx 76cm picture measured diagonally) 110 degree deflection	Sound output	Right and Left speaker 2x20W (Music Power) 2x10W (RMS)		
Input/Output Terminals [RE	AR]	Power Requirements	220 - 240V AC		
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	28" Approx 796x518x522mm 32" Approx 883x567x562mm		
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Weight	28" Approx 44.0kg 32" Approx 62.0kg		
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (monitor out)	Supplied Accessories	RM-888 Remote Commander (1) IEC designated R6 battery (2)		
RCA Connectors	Variable output for Audio Signals	Other Features	Digital EPG, Dynamic Picture Control, Virtual Dolby, 2 Tuners		
DIN	External Speakers				
PCMCIA	Card Slot				
Input/Output Terminals [FR	ONT]	Remote control system	Infrared control		
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)		
Audio inputs	phono jacks	Dimensions	Approx 210x45x23mm (w/h/d)		
Video inputs	phono jacks	Weight	Approx 95g (not including battery)		
S Video input	4 pin DIN				
	Design and specifications are subject to change without notice.				

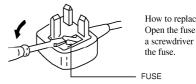
Model Name Item	KV-28DX30U	KV-32DX30U
Pal Comb	OFF	OFF
PIP	OFF	OFF
RGB Priority	ON	ON
Woofer Box	OFF	OFF
Scart 1	ON	ON
Scart 2	ON	ON
Scart 3	ON	ON
Front in (4)	ON	ON
Projector	OFF	OFF
AKB in 16:9 mode	ON	ON
Norm B/G	OFF	OFF
Norm I	ON	OFF
Norm D/K	OFF	OFF
Norm AUS	OFF	OFF
Norm L	OFF	OFF
Norm SAT	OFF	OFF
Norm M	OFF	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** rating. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the mark.

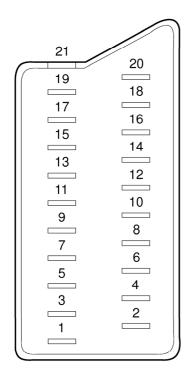
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

21 pin connector



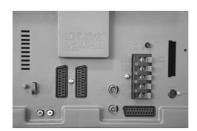
1 O O O Audio output B (right) Standard level: 0.5V rms Output impedence: Less than 1kohm* 2 O O Audio output B (right) Standard level: 0.5V rms Output impedence: More than 10kohm* Standard level: 0.5V rms Output impedence: Less than 1kohm* Output impedence: More than 10kohm* Output imped	Pin No	1	2	3	Signal	Signal level
2	1	0	0	0	Audio output B	Standard level : 0.5V rms
3	2	0	0	0		
5	3	0	0	0		
6 O O Audio input A (left) Standard level : 0.5V rms Output impedence : More than 10kohm* 7 O Blue input 0.7 +/- 3dB, 75 ohms positive 8 O O Function select (AV control) High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF 9 O O Ground (green) 10 O O Open 11 O O Green Green Green signal : 0.7 +/- 3dB, 75 ohms, positive 12 O O Ground (red) 13 O O Ground (red) 14 O O Ground (blanking) 0 - Red input 0.7 +/- 3dB, 75 ohms, positive 15 O O Ground (blanking) 16 O Blanking input (Ys signal) High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms 17 O O Ground (video output) 18 O O Ground (video input) 19 O O Video output 1V +/- 3dB, 75 ohms, positive sync 0.3V (-3+10dB) 20 O Common ground	4	0	0	0	Ground (audio)	
O O O (left) Output impedence: More than 10kohm* 7 O Blue input 0.7 +/- 3dB, 75 ohms positive Blue input High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF 9 O O Ground (green) 10 O O Open 11 O O Green Green Green signal: 0.7 +/- 3dB, 75 ohms, positive 12 O O Ground (red) 14 O O Ground (blanking) 0 - Red input 0.7 +/- 3dB, 75 ohms, positive 15 O O Ground (blanking) 16 O O Blanking input (Ys signal) High state (1-3V) Low state (0-0.4V) Input impedence: 75 ohms 17 O O Ground (video output) 18 O O Ground (video input) 19 O O Video output 1V +/- 3dB, 75 ohms, positive sync 0.3V (-3+10dB) 20 O Common ground 21 O O Common ground	5	0	0	0	Ground (blue)	
High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF	6	0	0	0		
8 O O Function select (AV control) Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF 9 O O Ground (green) 10 O O Open 11 O Green Green Green signal: 0.7 +/- 3dB, 75 ohms, positive 12 O O Ground (red) 13 O O Ground (red) 14 O O Ground (blanking) - Red input 0.7 +/- 3dB, 75 ohms, positive 15 O Ground (blanking) 16 O Ground (video input) 17 O O Ground (video output) 18 O O Ground (video input) 19 O O Video output 1V +/- 3dB, 75 ohms, positive sync 0.3V (-3+10dB) 20 O Common ground 21 O O Common ground	7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
10	8	0	0	0		Low state (0-2V) : TV mode Input impedence : More than 10K ohms
11	9	0	0	0	Ground (green)	
12	10	0	0	0	Open	
13	11	0	•	•	Green	
14	12	0	0	0	Open	
15	13	0	0	0	Ground (red)	
15	14	0	0	0	Ground (blanking)	
16		0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
17	15	-	0	0		0.3 +/- 3dB, 75 ohms, positive
18	16	0	•	•		
19 O O Input) 19 O O Video output 10	17	0	0	0		
20	18	0	0	0		
20	19	0	0	0	Video output	
- O O Video input Y (S signal) 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)		0	-	-	Video input	
	20	-	0	0		
	21	0	0	0		

O Connected

Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel

Front Connection Panel





S Video socket pin configuration						
Pin No	Signal	Signal Level				
1	Ground	-				
2	Ground	-				
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB				
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.				

BE-3E SELF DIAGNOSTIC SOFTWARE

The errors indicated below can be read using an Error Reader Display (Part Number S-188-900-10) connected to the service connector. Once an error has been detected it will then be displayed on the two digit error reader. During the power up procedure and during normal run time, the micro's self diagnostic procedures monitor for various errors. Errors displayed refer to the table indicated below.

Error Code	Error Message					
00	No error (TV Error Reader shows 00 in normal condition)					
01	Not allowed (may be confused with Sircs response flash on LED)					
02	Protection circuit trip[(OCP, OVP & No V-Sync)					
03	Reserved for OVP (Included in error 2 for BE-3E)					
04	Reserved for No V-Sync (Included in error 2 for BE-3E)					
05	AKB					
06	IIC Scl Low <power only="" up=""></power>					
07	IIC Sda Low <power only="" up=""></power>					
08	IIC Sda & Scl Low <power only="" up=""></power>					
09	Jungle controller no acknowledge <power only="" up=""></power>					
10	Video Switch (CXA2040) no acknowledge < Power Up Only>					
11	Tuner no acknowledge					
12	MSP no acknowledge					
13	NVM no acknowledge					
14	AV Switch (CXA2089) no acknowledge					
15	Not Used					
16	Port Expander (CXA1875) no acknowledge					
17	Not Used					
18	Dynamic Convergence (CXA8070) no acknowledge					
19	Cannot initialise jungle (after initial power on check OK) - < Chassis Initialisation>					
20	Jungle Controller response failure after power up check (+9v test)					
21	Video Switch (CXA2040) cannot power on reset -< Chassis Initialisation>					
22	Video Switch (CXA2040) response failure after power up check (+9v test)					
23	NVM acknowledge fail after initialisation (STBY +5V - same as micro!)					
24	MSP run-time failure <may -="" be="" display="" error="" fatal="" not="" on="" reader=""></may>					
25	DSP run-time failure <may -="" be="" display="" error="" fatal="" not="" on="" reader=""></may>					
26	M3L bus Clock low time out after data send <run-time failure=""></run-time>					
27	Not Used					
28	M3L bus Clock low time out after data send <at initialisation=""></at>					
29	Not Used					
30	Not Used					
31	Not Used					
32	Not Used					
33	Compact Text does not respond (+5V test)					
34	Compact Text run-time failure <may -="" be="" display="" error="" fatal="" not="" on="" reader=""></may>					

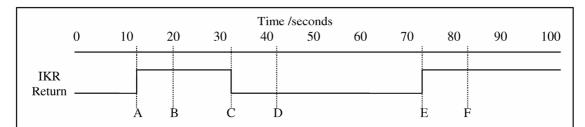
Protection Error

Once every main loop (approximately 200ms OSD mode, 50ms text or menu mode), the micro checks the protection pin (pin 66). If the protection pin is high 6 successive times, a protection error is diagnosed. The protection pin is **not** checked during the first 3 - 4 seconds after AC on. If this error is diagnosed, the respective NVM register will be updated and the set goes straight into diagnostic standby with 2 flashes - no reset is attempted.

AKB Error (Error 5)

Once every main loop the micro checks the AKB stability by reading the IKR return from the Jungle IC. IKR=1 means that the AKB is stable, IKR=0 means that the AKB is unstable. If the AKB status is unstable for 10 seconds, an AKB error is diagnosed. AKB stability is not checked during the first 20 seconds after AC switch on.

If this error is diagnosed, the respective NVM register will be updated and the response LED will flash 5 times continually, but the set will not go into standby mode. If the AKB status becomes stable, and remains stable for 10 seconds, the LED will stop flashing.



- A. IKR Return first goes high after 12 seconds
- B. Micro begins checking IKR Return status 20 seconds after power on
- C. Micro detects IKR return=0
- D. Micro detects that IKR has been 0 for 10 seconds; NVM counter is incremented and the LED starts flashing (flashes 5 times, off for 2 seconds, flashes 5 times, etc.)
- E. Micro detects that IKR=1; LED continues to flash
- F. Micro detects that IKR has been high for 10 seconds; LED stops flashing.

Startup Diagnostic Errors (Error 6-18, 27, 29-32)

NVM	Error Message
6	SCL pin Low
7	SDA pin Low
8	Both SCL and the SDA pins are Low
9	No acknowledge from the Jungle (CXA2076)
10	No acknowledge from the Video Switch (CXA2040)
11	No acknowledge from the tuner
12	No acknowledge from the MSP
13	No acknowledge from the NVM
14	No acknowledge from the CXA2089 Video Switch
16	No acknowledge from the CXA1875 Video Port Expander
18	No acknowledge from the Dynamic Convergence (CXA8070)
27	M3L_TXD pin low after Compact Text RAM test
29	M3L_TXD pin low
30	M3L_RXD pin low
31	M3LEN pin low
32	Compact Text RAM test fail

If any of these errors are detected, the respective NVM register will be incremented. The software will then carry on with the power up sequence.

General IIC Device Run-time Errors (Errors 19-23)

NVM	Error Message
19	No acknowledge from Jungle when attempting to initialise
20	No acknowledge from Jungle when attempting to read registers
21	AV Switch cannot complete reset during initialisation
22	No acknowledge from AV Switch when attempting to read registers
23	No acknowledge from NVM when attempting to read or write

If any of these errors are detected, the respective NVM register will be incremented and the software will carry on.

Compact Text Run-time Errors (Errors 26, 28, 33 & 34)

NVM	Error Message
26	M3L_TXD pin low when checking register 81 (implies that no communication was possible)
28	M3L_TXD pin low when attempting to initialise (implies that no communication was possible)
33	Compact Text RAM test failed during initialisation of devices

In the case of these errors, the 'device reset' pin will be held low for 60ms, causing a hardware reset of Compact Text. Following this reset, a longer timeout will be allowed for the M3L bus to recover. If the error still exists, the NVM register will be incremented and the software will carry on.

NVM	Error Message
34	Register 81 check fail, but M3L_TXD pin high (implies that Compact Text has either reset or become corrupted)

In the case, the 'device reset' pin will be held low for 60ms, causing a hardware reset of Compact Text. Compact Text will then be re-initialised and the NVM counter updated. This is the same as for errors 26, 28 and 33 except that the M3L bus timeout is not changed.

MSP and DSP Run-time Errors (Errors 24 & 25)

NVM	Error Message
24	Error 24 can be caused by any of the following: - After MSP initialisation, Scart Prescale Register check fail (implies that the MSP has either reset or become corrupted). -MSP fails to acknowledge reset instruction. -Scart Prescale Register check fail (implies that the MSP has either reset or become corrupted).
25	DSP test byte corrupted implies that the MSP has either reset or become corrupted).

For both these errors, the software will refresh the MSP and DSP registers. If the errors still exist, the NVM counter will be incremented, and the software will carry on.

Error Display Mode

Error Display Mode is entered by the following sequence of commands:

Standby -> Information -> Digit 5 -> Volume Down -> TV

This mode will display a special menu, which will list all possible errors and the number of occurrances of each error (0 - 255, as stored in the NVM). There will also be a display of the current error (00 if no error). This display mode will appear as follows:

ERROR DISPLAY MODE			
Current Error Code = 00			
Error Code 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Occurrences 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Error Code 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34	Occurrences 0 0 0 0 0 0 4 5 89 3 0 0 0 0 3 338
18	6	04	00

Whilst in this mode, the number of occurences of each error can be reset to 0 by following sequence of Sircs commands: Digit 8 -> Digit 0. 'TT08' will also reset this NVM data.

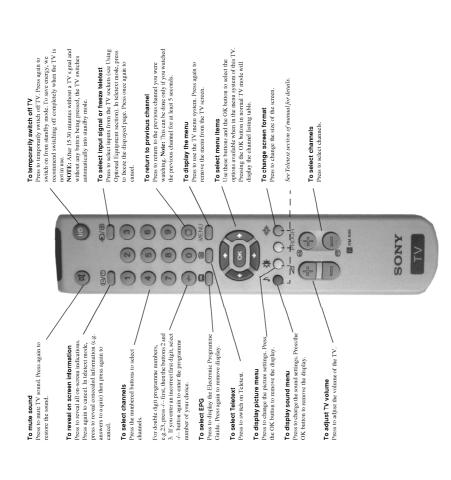
This mode can only be exited by switching off the TV.

The Current Error Code can also be read by using a TV Error Reader (IIC slave address 42H). This device simply receives 1 data byte, which is the error number in binary coded decimal form.

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the 'Operating Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain as in the manual.

Overview of the remote control buttons



setting Started

Automatically tuning the TV

When you first switch on the TV, the following sequence of menu screens appear on the TV enabling you to 1) choose a language for the TV menu screens, 2) tune channels to the TV. 3) arrange the channels.



Do you want to start automatic tuning? \$ & ■ O The 'automatic tuning' menu appears on the TV screen in your selected language. Press the ◆ or ◆ buttons to select

'YES' then press the OK button to confirm.

6

8 2

4

000

(9)

Confirm: OK the OK button to confirm. The TV starts to automatically search and store all available channels for you. Please be Ensure the antenna is connected as instructed, then press

patient and do not press any buttons.

numbers 91-99.







channels, the 'PROGRAMME SORTING' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you do not wish to use this 4. When the TV has finished tuning in all available option, proceed to step 5.

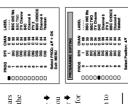
analogue channels.

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If you wish to change the channel order, press the ♠ or ♥ buttons to select the new programme number position for programme position. Repeat this procedure if you wish to buttons on your remote control to select the channel you want to move, then press the OK button. Press the ◆ or ◆ confirm. The selected channel now moves to its new your selected channel then press the OK button to sort the order of other channels on your TV.

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- 5. Press the MENU button to remove the menu from the TV
- 6. Press the PROGR+/- or the numbered buttons on the remote control to view the TV channels.

7. Finding your video channel after tuning

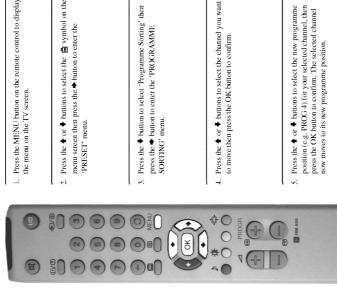
If you have connected a VCR to your TV, you now need to find the video channel.

- 1. Press the PROGR +/- buttons on the remote control until the video picture appears on the TV screen.
- Note: If you wish to move your video channel to a different programme position, refer to the 'Re-arranging the TV channels' section in this instruction manual.

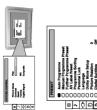
Additional TV Features

Re-arranging the TV channels

After tuning the TV, you can use this feature to change the channel order.

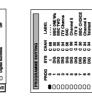


 Press the MENU button on the remote control to display the menu on the TV screen. 2. Press the \spadesuit or \blacktriangledown buttons to select the \boxminus symbol on the menu screen then press the & button to enter the 'PRESET' menu.

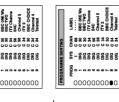


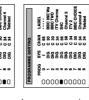
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4





position (e.g. PROG 4) for your selected channel, then press the OK button to confirm. The selected channel 6. Repeat steps 4 and 5 if you wish to sort other channels. Press the ♠ or ♥ buttons to select the new programme moves to its new programme position.

7. Press the MENU button to remove the menu from the TV

SONY

Additional TV Features

Adjusting the picture

Although the picture is adjusted at the factory, you can modify it to suit your own taste.



2. Press the \spadesuit or \blacktriangledown buttons on the remote control to select the ■ symbol on the menu screen then press the ♥ button to enter the 'PICTURE CONTROL' menu.

l d | hul

Potent Mode Contract Format Format Copput Super

3. Press the \clubsuit or \blacktriangledown buttons to select the item on the screen you description of the menu items and their effects, see the table wish to adjust then press the 🛡 button to confirm. For a

Picture Mode
 Contrast
 Contrast

4. If you selected 'Picture Mode' or 'Format' in step 3, press the $\boldsymbol{\Phi}$ or $\boldsymbol{\Psi}$ buttons to select the item on the screen you wish to



6. As soon as you have adjusted the item, press the OK button to Press the ♥ or ♠ buttons to adjust your selected item.

store the new setting. 7. If you selected 'Picture Mode' or 'Format' in step 3, press the

8. Repeat steps 3-7 to adjust the other items. 9. Press the MENU button to remove the menu from the TV ◆ button to return to the 'PICTURE CONTROL' menu.

Personal (for individual settings) Movie (for films) Live (for live broadcasts) esets picture to factory preset 1 (refer to page 14 for details) Off Picture Mode◆ Colour* Picture Mode Contrast Format Reset) | | |

Set to Composite or RGB. Choose the option that gives you the picture quality you prefer Digital Signal

SONY

"Only if you select 'Personal' in 'Picture Mode'."
** Available for NTSC colour system only.

Changing picture and sound modes quickly

You can quickly change the Picture Mode or the Sound Mode without entering the 'PICTURE CONTROL' or the 'SOUND CONTROL' menu screens. 1. Press the # symbol on the remote control for picture modes

or the β symbol for sound modes.

2. Press the ♦ or ♦ buttons to select the desired mode.

3. Press the OK button to remove the display from the TV



Adjusting the sound

Although the sound is adjusted at the factory, you can modify it to suit your own taste.



- Press the ♠ or ♥ buttons to select the item on the screen you description of the menu items and their effects, see the table wish to adjust then press the \$\infty\$ button to confirm. For a
 - press the ♠ or ♥ buttons to select the item on the screen you If you selected 'Sound Mode' or 'Surround Mode' in step 3, wish to adjust then press the \ button to confirm.
 - Press the ◆ or ◆ buttons to adjust your selected item.
- 6. As soon as you have adjusted the item, press the OK button to store the new setting.
- If you selected 'Sound Mode' or 'Surround Mode' in step 3, press the ← button to return to the 'SOUND CONTROL'
- Repeat steps 3-7 to adjust the other items.
- Press the MENU button to remove the menu from the TV



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Personal Rock Jazz Pop

n 'Personal' mode, Treble and Bass can be adjusted Only available when 'Surround Mode' is set to 'Off

Balance

Choose from the special sound effects:
Off --> Pro Logic --> 3 Stereo --> Virtual Dolby -->
Pseudo Stereo --> Spatial osts bass by a fixed amount Surround Mode Bass Extension

Resets sound to factory preset levels

Stereo◆ ◆ Mono (for a stereo broadcast)
A for channel 1◆◆ B for channel 2

Dual Sound

SONY

tereo ← → Mono (for a stereo broadcast)

A for channel 1 ← → B for channel 2

(for a bilingual broadcast) The channel volume level can be ◆ adjusted over a range of -12 to +12. ○ Volume ○ Dual Sound Volume Offset Headphones

Set to 'On' to automatically select Pro Logic Surround sound when transmitted.

Auto Surround

Additional TV Features

Setting up Dolby Pro Logic

Before listening to Dolby Pro Logic encoded programmes, you can adapt the Dolby features to suit your own taste. This is only required if you have connected your own external speakers (SS-CR190 or equivalent), and/or if you decide to change the speaker

Note: There will be no output available from the headphones or the audio output sockers on the rear of the TV during Dolby Pro

Logic mode.

1 Picture Mode Construct Formal Popular Speal



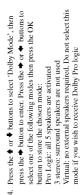
l d l hod



Auto Programma
 Auto Programma
 De Programma Preset
 De Programma Preset
 De Programma Preset
 De Programma Preset
 De Programma Sorting
 De Programma Sorting
 De Programma Sorting
 De Dollin Make Sorting
 De Dollin Sattlese
 Dellin Sattlese
 Dellin Sattlese
 Dellin Sattlese



□ ↓ ↓ ⊕



| DOLEY MODE BETTIP
| DOLEY MODE BETTIP
DOLEY MODE	POLOGO	
John	Doley Mode	Pologo
Doley	Doley Mode	Pologo
Do		



button to enter. Press the ♥ or ♠ buttons to select 'On', 6. Press the ♥ button to select 'Test Tone' then push the ♥ then press the OK button. The test tone will cycle through all the speakers. 7. Press the ♥ button to select the 'Left Speaker', then press the ▶ button to confirm. The tone remains at the left

Press the ♠ or ♥ buttons to alter the sound level, then press the OK button. 9. Repeat steps 7 and 8 to select and adjust the 'Centre', 'Right', and 'Surround' speakers, so that the sound output from all speakers are balanced in relation to your sitting

10. Press the MENU button to remove the display.

Note: After setting up Dolby ProLogic, refer to the 'Adjusting the sound' section on page 11 and set the Surround Mode to Pro Logic.





Additional TV Features

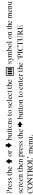
Changing the screen mode

Using this Screen Mode feature you can change the aspect ratio of the screen.

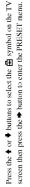












60 00

You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this

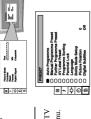
operation manually, adding channels to the TV, one at a time.

Manually tuning the TV

Additional TV Features

Press the MENU button on the remote control to display

the menu on the TV screen.



9

- 4 6

@



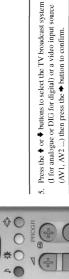
Preset' on the menu screen then press the ♥ button to enter Press the ♠ or ♥ buttons to select 'Manual Programme the 'MANUAL PROGRAMME PRESET' menu.

(a) (b) (c) (c) (d)

000



4. Press the ♠ or ♥ buttons to select an unused programme number for your channel then press the \$\infty\$ button to enter.



Select the first number digit of 'CHAN' (channel) then the second number digit of 'CHAN' with the numbered buttons Press the ♠ or ♦ buttons to search for the next available on the remote control

digital programmes only), select each digit in turn and press the numbered buttons on the remote control to change to If you wish to change the 'SERV' service number (on

channel.

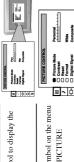
SONY

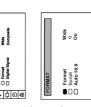
your desired service.

If you do not wish to store this channel on the programme number you selected, press the ♣ or ♦ buttons on the remote control to continue searching for the desired 9. If this is the channel you wish to store, press the OK button.

press the MENU button to remove the menu from the TV 10. Repeat steps 4-9 if you wish to store more channels then

NOTE: After manually tuning in the channels you require, you can sort the channels into the order you prefer by following the procedure 'Re-arranging the TV channels' on page 24.





screen then press the button to enter the 'FORMAT' menu.

Press the ♠ or ♦ buttons to select 'Format' on the menu

button to enter. Press the • or • buttons repeatedly to select one of the following modes then press the OK button to store

Smart - imitation of wide screen effect (16:9) for 4:3

the chosen mode:

Wide - for 16:9 broadcasts

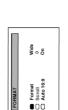
фО фО

+

Press the ♠ or ♦ buttons to select 'Format' then press the ♥

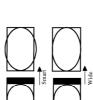
Format











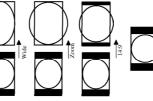
broadcast in cinemascopic format 14:9 - compromise between 4:3 and 16:9 format - for

4:3 - conventional 4:3 picture

conventional 14:9 picture

7 (4





Press the ♣ or ♦ buttons to select 'Auto 16:9' then press the ▶ button to enter. Press the \(\Phi \) or \(\Phi \) buttons to select 'On' if you the cut-off parts (e.g. to read subtitles). Press the → button to adjust the screen position over a range of -5 to +5. Press the Scroll' to move the screen up or downwards in order to see wish the TV to switch automatically to wide format when a Zoom - imitation of wide screen effect (16:9) for movies

Press the ♠ or ♥ buttons to select 'Scroll'. You can use

OK button to store.

SONY

Auto 16:9

Scroll (Applies to Zoom, 14:9 or Smart format only)

16:9 broadcast is detected, or 'Off" to retain the format selected in step 4. Press the OK button to store.

Press the MENU button to remove the menu from the TV

Note: You can change the picture format quickly without having to enter the menu system. Simply press the \clubsuit button repeatedly until the picture is displayed in the format you desire.

Viewing standard teletext

reletext is an information service transmitted by most TV stations



teletext service you wish to receive.



the TV screen.



remote control. If you make an error, complete the number, then

re-enter the correct page number.

3. Select your required page using the numbered buttons on the

2. Press the on the remote control to switch on teletext. Press the Dutton again if you wish to superimpose teletext on to





4. Press the button to switch off teletext.



Using Other Standard Teletext Functions

To move to the next or preceding page

Press the or buttons to select the previous or next page.







Revealing concealed information (eg:answers to a quiz). Press the ② button to reveal information. Press again to conceal the information.

Using colour buttons to access pages (Fastext)

When the colour coded menu appears at the bottom of a page, press the colour buttons (red, green, yellow or blue) on the remote control to access the corresponding page.

Displaying TOP-Text (when available)

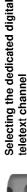
SONY

With TOP-Text you can access pages easily by selecting blocks or groups of pages. The block is a category (for example Sports) which The colours of this menu correspond to the red, green, yellow and blue buttons on the remote control. Press these coloured buttons to broadcast, a colour coded menu appears at the bottom of the screen. includes the groups (for example Football). When TOP-Text is displayed the desired pages.

- 1. Press the putton to display teletext.
- Press the coloured buttons to search for the page you desire: Green: to proceed to the next page. Yellow: to proceed to the first page of the next group. Blue: to proceed to the first page of the next block. Red: to go back to the previous page.
- 3. Press the putton twice to return to normal TV.

Viewing Digital Teletext

Most of the digital TV channels broadcast information via teletext. This digital service includes high quality text and graphics as well as advanced navigational options. Additionally, this television set has access to a dedicated digital teletext channel.





TELETEXT

on-screen to display the teletext information, then press the \clubsuit , \blacktriangledown , \clubsuit or \blacktriangledown buttons to guide the on-screen cursor to the required area of the screen, then press the OK button to display the Once the teletext channel is displayed, follow the instructions chosen information.

1 2 3

Alternatively, you can use the numbered and coloured buttons on the remote control to directly enter the page number required and to display the various pages of text information.

- If when viewing the teletext pages, you are requested to select 'OK' or 'Cancel', press the OK button for 'OK' or the \bigcirc button for 'Cancel'.
- When you have finished viewing teletext, press the 🖨 button or the PROG +/- buttons, and then select an alternative digital

Selecting teletext from the other digital channels

\$ O O O O

display on your TV screen, superimposed on the channel you are channels. Sometimes this is indicated by a small symbol or text Normal teletext services may also be available on other digital

- Press the \spadesuit , Ψ , \spadesuit or \clubsuit buttons to select the symbol then press the OK button to display the chosen information.
- coloured buttons on your remote control to display the various pages of text information. If when viewing the teletext pages, you are requested to select 'OK' or 'Cancel', press the OK 2. Alternatively, you may be requested to use the numbered and button for 'OK' or the O button for 'Cancel'.

SONY

- Once the text information is displayed on screen, use the \clubsuit , \blacktriangledown , \P or \blacktriangledown buttons, the coloured buttons and/or the numbered buttons to access the chosen information.
- When you have finished viewing teletext, press the 🛢 button and then select an alternative digital channel.

On other channels there may be no on-screen symbol, but you can see if there is a digital service as follows:

1. When watching a digital TV channel, press the 🛢 button on

- your remote control to display any text service which may be
 - Press the numbered buttons to select the various pages of
- information available and/or the coloured buttons for the functions shown on screen. Winetons shown on screen. When you have finished using the text service, press the button to return to normal TV.

Additional Information

Specifications

TV system I/DVB-T

Picture tube

KV-28DX30U

HD Trainton WIDJE

Approx. Altan (28mches) (Approx. 66cm picture measured diagonally), 102° deflection

KV-32DX30U FD Trinitron WIDE Approx. 82cm (32 inches) (Approx. 76cm picture measured diagonally), 102° deflection PAL NTSC 3.58, 4.43 (only Video in) Channel coverage UHF:B21-B69 Rear Terminals ←11 21-p Colour system

Front Terminals

© 2 Video input -phono jack

© 2 Ando input -phono pack

© 3 Video input - 1 pin DIN

Headphones jack - minijack stereo

2x20W (music power) Sound output

Left/Right:

Dimensions (wxhxd)
KV-28DX30U: Approx. 796x518x522mm
KV-32DX30U: Approx. 883x567x562mm
 Power consumption

 KV-28DX30U:
 136W

 KV-32DX30U:
 134W

Weight

KV-28DX30U: Approx. 44kg

KV-32DX30U: Approx. 62kg

Accessories supplied RM-888 remote control (1) IEC designated size AA battery (2)

Other features

Teletext Dolby ProLogic Surround System Smartlink

Design and specifications are subject to change without notice.

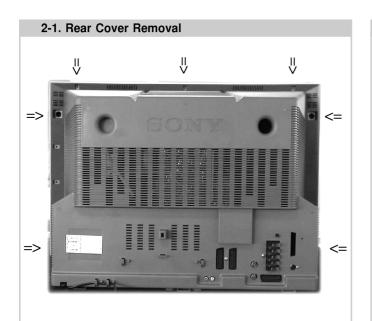
Additional Information Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Cause
No picture, no sound.	Power off. Tray:
	I'V in standby. Aerial disconnected.
Poor or no picture (screen is dark), but good sound.	Picture preset level adjustment.
No picture on any channel after digital tuning.	 No digital transmissions in your area. No digital transmissions from the transmitter you are currently using
	Weak signal.
	Unsuitable aerial.
Some channels are blank.	• Scrambled/subscription-only channel.
	 Programme used only for data (no picture or sound). Decorramme not being transmitted
Standby indicator flashing.	Digital mode Timer Record active (regular flash).
,	Fault (irregular flash).
Good Picture, no sound.	Volume control.
	 The button marked ^{□ 4} on the rear of the TV is pressed in.
No head phone output and no output from the audio	 The TV has been set up to receive Dolby Pro Logic.
sockets marked $\widehat{\Theta}$ on the rear of the TV.	
Poor picture quality.	 Wrong external mode selected on an RGB video source.
No colour on colour programmes.	Colour level setting.
Remote control does not function.	Batteries low.
Distorted picture when changing programmes or selecting Teletext.	 Inputs from external equipment not switched off.
Cause	• Solution
Power off	• Plue in the TV
TV in standby	Done 4. Ohomes the form of the Tay
T V III Stantoy.	
	 If the O indicator is on press the I/O button or a numbered button on the
Aerial disconnected.	remote confroi. Charle the narial connection
Picture level adjustment.	 Select IIII on the TV menu system then adjust the brightness, picture and colour halance lavels
No digital transmissions in your own	outable levels. Thus in the anotherns channels another he is the "Monnelly truning the TV"
AC digital transfers in your area.	instruction in this manual, then conact a local installer to find out when digital
	transmissions begin in your area.
No digital transmissions from the transmitter you	 Contact a local installer to find out which transmitter you should be pointing
are currently using.	your aerial at.
Ousanable aerial.	 Change your aerial to cover the channels used by digital programmes. (Contact
Weak signal	a local installer)
The control of the co	 Elisure aeriai is correctly angued to causimuci. Energy against its physical discorticipate tha TV (not through other againment).
	 Ellistic action is progged directly into the 1 Y (not unough once equipment). Thorsde to a biober coin partial
Scrambled/subscription-only channel.	Subscribe to navment yield acter.
Programme information without picture or sound.	See 'Skinoing programme positions' section.
	See 'Re-arranging the TV channels' section.
Fault.	 Do not open the cabinet, refer to qualified personnel.
	 Contact your nearest Sony Service Centre.
Volume control.	 Press the \(\inf + \text{ button on the remete control.}\)
	 If X is displayed on the screen, press the X button on the remote control.
Wrong external mode selected.	 Press the
	screen.
Colour level setting.	 Select III on the TV menu system then adjust the colour setting.

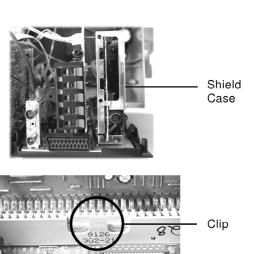
- If you continue to have these problems, have your TV serviced by qualified personnel or you can contact the Sony UK Digital HelpLine on 0870 600 1717.
 NEVER open the casing yourself.

SECTION 2 DISASSEMBLY



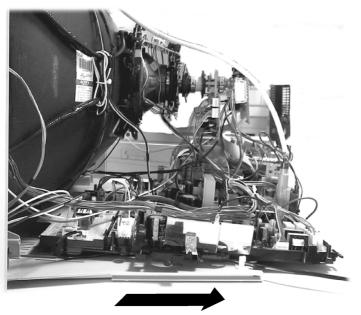
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-3. N Board Removal

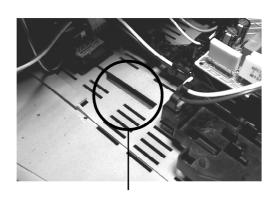


To remove the N Board first pull the shield case shown vertically. The clip circled can then be released and the board gently removed.

2-2. Chassis Removal and Refitting

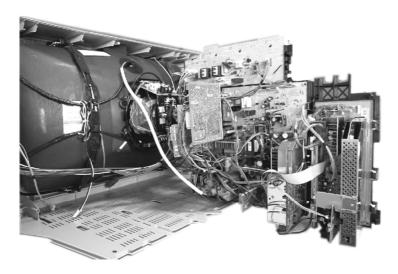


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



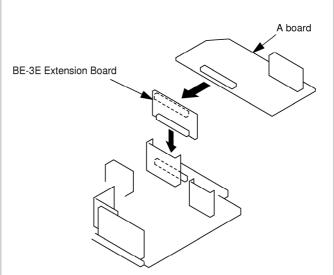
Position the chassis as indicated to access the solder side. To gain access to the D Board follow the instructions on page 19. [Removal and Replacement of the main bracket bottom plates].

2-5. A Board Removal



To remove the A Board release the clip circled and gently remove the board in a vertical direction.

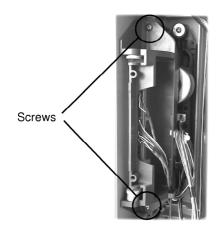
2-6. A Extension Board



To gain test access to the A Board remove the board and plug in the extension board. The A board can then be plugged into the extension board to allow testing.

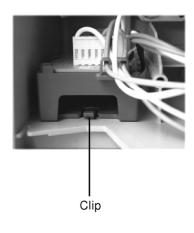
2-7. Side Control Module Removal

Remove the two screws fixing the user control module to the side of the set. The control module can then be removed by sliding it towards the rear of the set allowing access to the H7 Board.



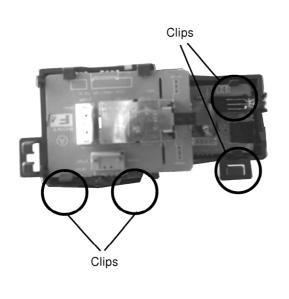
2-8. F4 Bracket Removal

Release the clip circled and pull the bracket towards the rear of the set. The bracket can then be removed to allow access to the boards.



2-9. F4 and H8 Board Removal

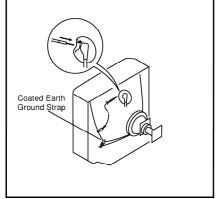
To remove the F4 and H8 Boards release the clips circled and ease the boards gently away from the support bracket.

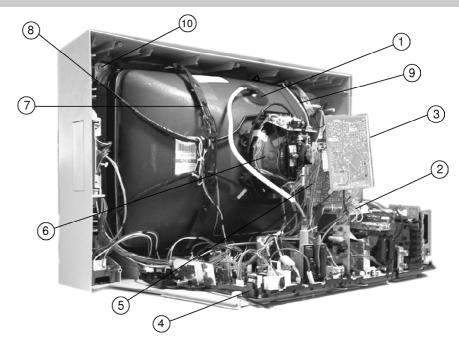


2-10. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

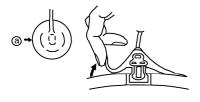




- 1. Discharge the anode of the CRT and remove the anode cap.
- 2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- 7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tentioners.
- Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
 [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

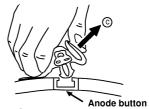
* REMOVING PROCEDURES.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



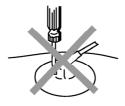
Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)



When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c)

How to handle the Anode-Cap

- To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- 4. Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





REMOVAL AND REPLACEMENT OFTHE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note: There are 4 plates fitted to the main bracket and secured by 3 gates. Only remove the necessary plate to gain access to the printed wiring board.

For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.

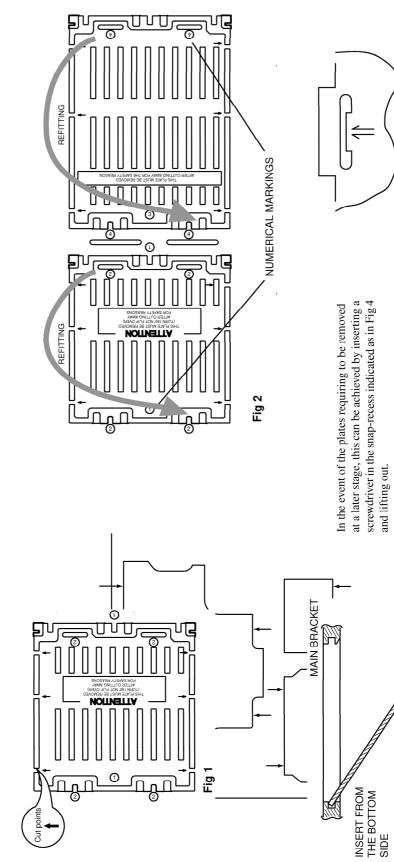


Fig 4

FIG 3

SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast	 normal
Brightness	 norma

Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- 1. Color bar/pattern generator.
- 2. Degausser.
- 3. Oscilloscope.
- 4. Digital multimeter.

3-1. Beam Landing

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- 2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-3.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-1 and Fig 3-2]
- 7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet

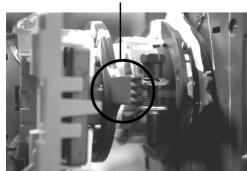




Fig.3-2

Caution:

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note: Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig. 3-5].
- Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- Position the deflection yoke between the two marks indicated above.
- Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Switch the pattern generator to green then blue and confirm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

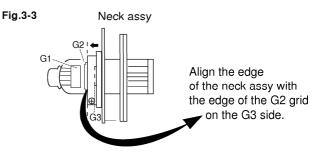
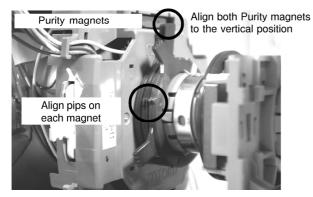


Fig.3-4



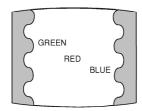
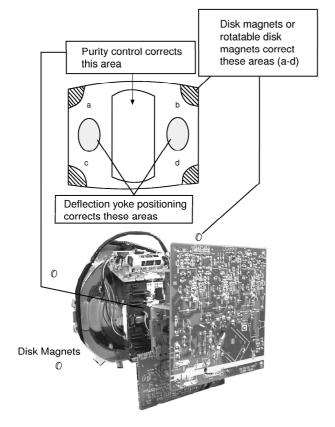
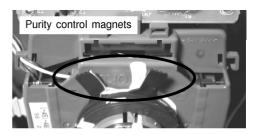


Fig.3-5

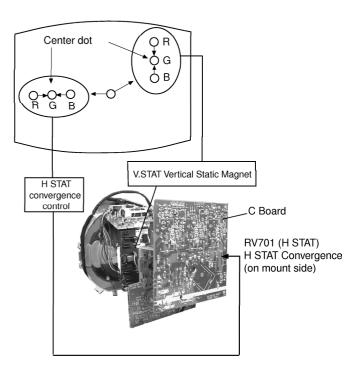




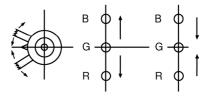
3-2. Convergence

(1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



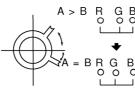
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

- Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- HMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HMC correction(B)

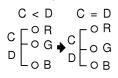


VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HMC correction(A)

VMC correction(A)

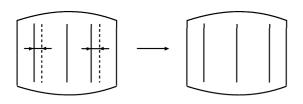




VMC correction(B)

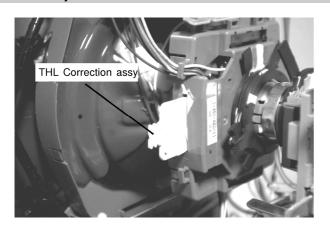


HAMP Adjustment

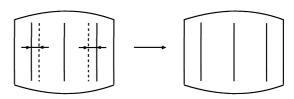


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

HTIL Adjustment



HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



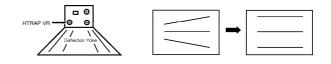
YCH Adjustment



TLV Adjustment

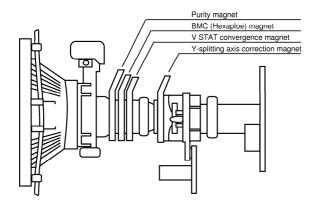


H-TRAP Adjustment

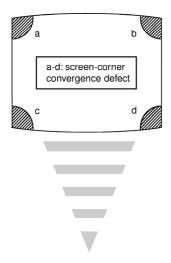


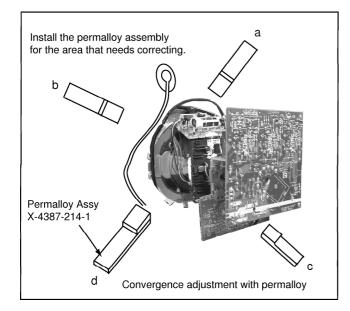
The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control



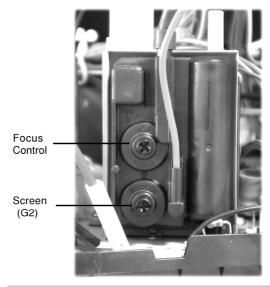
Note: If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.





3-3. Focus, Screen (G2) Adjustment

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
 Bring only the centre area of the screen into focus, the magentaring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



G2 adjustment [RV5376]

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- 3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
- Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

3-4. White Balance Adjustment

[Adjustment in the service mode using the remote commander]

White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Enter into the 'Service Mode' by pressing 'TEST', 'TEST' and 'MENU' on the Service Commander.
- 3. Select 'Picture Adjustment' from the on screen menu display and press the joystick to the right.
- The 'Picture Adjustment' menu will appear on the screen.
 [See Page 24]
- 5. Select 'Sub Contrast' and adjust to 7.
- Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- Press the 'TV' button on the remote commander to return to TV operation.

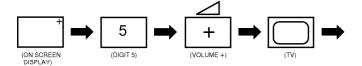
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustments to this model can be performed using the supplied Remote Commander RM-888.

HOW TO ENTER INTO SERVICE MODE

- 1. Turn on the main power switch and enter into the stand-by
- 2. Press the following sequence of buttons on the Remote Commander.



- 'TT--' will appear in the upper right corner of the screen.
 - Other status information will also be displayed.
- 3. Press 'MENU' on the remote commander to obtain the following menu on the screen.

TEST MENU
> Picture Adjustment
Geometry
Wide
IC status
MSP
Dynamic Convergence
Current TV status

- Move to the corresponding adjustment using the button on the remote commander.
- 5. Press the + button to enter the selected adjustment.
- 6. Turn off the power to quit the service mode when adjustments have been completed.

PICTURE ADJUSTMENT		
AFC mode	1	
REF position	3	
SCP BGR	1	
SCP BGF	1	
Trap fo	9	
Sub contrast	Adj	
Sub colour	Adj	
Sub brightness	Adj	
Green drive	Adj	
Blue drive	Adj	
Green cutoff	Adj	
Blue cutoff	Adj	
Gamma	0	
Pre / overshoot	0	
Y delay	3	
D Pic	ON/OFF	
D Colour	ON/OFF	
DC Transfer	ON/OFF	

GEOMETRY ADJU	ISTMENT - 4:3
GLOWETTT ADJC	JOTNILINT - 4.5
V size	Adj
V position	Adj
S Correction	Adj
V Linearity	Adj
H size	Adj
H position	Adj
Pin Amp	Adj
Pin Phase	Adj
AFC Bow	Adj
AFC Angle	Adj
EHT V	1
EHT H	0
Lo Corn Pin	Adj
Up Corn Pin	Adj

WIDE ADJUSTMEN	NT - 4:3
V Aspect	0
V Scroll	25
Upper V Lin	0
Lower V Lin	0
Left Blanking	1
Right Blanking	11

IC STATUS (CXA2034	52 / CXA2040)
CXA2034526	
H lock	1
IKR	1
V NG	0
X-RAY	0
Colour system	7
CV1 sync	0
CXA2040	
Sync sep	0
S1 mode pin	01
S2 mode pin	01
PORT EXPANDER	
Power Good	1
TUNER	
Tuner status	01101011

Micro/Jungle	SDA30C263/MSP3452
Attenuation	OFF
Digital RF	YES
AFT STATUS	
Velocity mod	ON
Colour trap sw	ALL
Size	28/32
Auto Shut Off	ENABLED
Ageing	DISABLED
Destination	UK
Menu language set	WEST
Text language set	WEST
DSP Present	NO
Dolby Enabled	YES
Text system	C TEXT- 2
TV STATUS BE3E	

D	
Dynamic Convergen	ce
Range	Adj Off - 42
H stat	Adj Off - 63
H amp I	Adj Off - 63
H amp r	Adj Off - 63
Up Y	Adj Off - 63
Low Y	Adj Off - 63
Y up I	Adj Off - 63
Y up r	Adj Off - 63
Y low I	Adj Off - 63
Y low r	Adj Off - 63
Mbow up I	Adj Off - 63
Mbow up r	Adj Off - 63
Mbow low I	Adj Off - 63
Mbow low r	Adj Off - 63
V Stat	Adj Off - 63

SUB BRIGHTNESS ADJUSTMENT

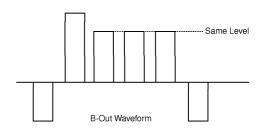
- 1. Input a Phillips pattern.
- 2. Set the picture control to minimum.
- 3. Enter into the 'Picture Adjustment' service menu.
- 4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

SUB CONTRAST ADJUSTMENT

- Input a video that contains a small 100% area on a black background.
- 2. Set the picture control to maximum.
- 3. Connect an oscilloscope to Pin 3 of CN301 [A Board].
- 4. Enter into the 'Picture Adjustment' service menu.
- 5. Adjust the 'Sub-contrast' data to obtain a black to white amplitude of 2.20V.

SUB COLOUR ADJUSTMENT

- 1. Receive a PAL colour bar video signal.
- 2. Connect an oscilloscope to Pin 3 of CN301 [A Board].
- 3. Enter into the 'Picture Adjustment' service menu.
- 4. Adjust the 'Sub-colour' data so that the Cyan, Magenta and Blue colour bars are of equal height as indicated below.



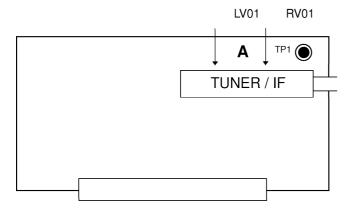
Note: The data indicated in the 'TV STATUS' table is dependant on destination, screen size and country.

I.F ADJUSTMENT

- 1. Input an off air signal of between 60-100dBuV / 75 ohm terminated, via the tuner socket.
- 2. Enter into the 'IF Adjustment' service mode [i.e 'TT59'] to fix the I.F frequency to 39.9MHz.
- 3. Enter into the service mode and select 'Current TV status'.
- 4. Adjust the I.F coil [LV01] until the 'AFT Status' indicates a 'Window' condition.

TUNER AGC ADJUSTMENT

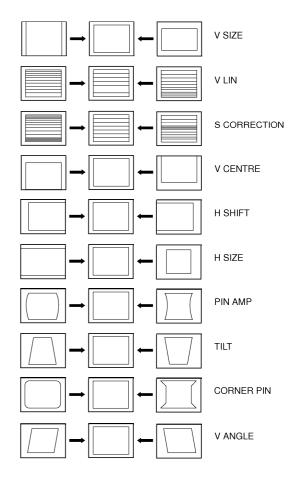
- Receive a signal of 63dBuV / 75 ohm terminated, via the tuner socket.
- 2. Measure the voltage at test point 1 [A Board].
- 3. Adjust RV01 control to obtain a voltage of 3.0V +/- 0.3V.



DEFLECTION SYSTEM ADJUSTMENT

- 1. Enter into the 'Geometry Adjustment' service menu.
- 2. Select and adjust each item in order to obtain the optimum image.

GEOMETRY AD.	JUSTMENT
V size	Adj
V position	Adj
S Correction	Adj
V Linearity	Adj
H size	Adj
H position	Adj
Pin Amp	Adj
Pin Phase	Adj
AFC Bow	Adj
AFC Angle	Adj
EHT V	1
EHT H	0
Lo Corn Pin	Adj
Up Corn Pin	Adj



4-2. 'TT' TEST MODE:

'TT' Mode is available by pressing the Test key twice. It is exited by pressing 0 twice, or by pressing the Test key, or by pressing the TV key, or by switching the set into standby.

The functions described below are available by pressing 2 digits:

00	Cancel Test mode
01	Picture Maximum
02	Picture Minimum
03	Volume & Headphone Volume 35%
04	Volume & Headphone Volume 50%
05	Volume & Headphone Volume 65%
06	Volume & Headphone Volume 80%
07	Ageing mode Enable/Disable
08	Shipping Condition
09	Display TV status
11	Sub Picture adjustment
12	Sub Colour adjustment
13	Sub Brightness adjustment
14	Text H-Position adjustment
15	Rotation Test
21	Destination A/D (East Menu/West Text)
22	Destination L (West Menu/West Text)
23	Destination E (West Menu/West Text)
24	Destination U (West Menu/ West Text)
25	Destination D (East Menu/Greek Text)
26	Destination B (East Menu/West Text)
27	Destination K (East Menu/East Text)
28	Destination R (Russian Menu/Russian Text)
31	Toggle Auto Shutoff Disable
32	Toggle Bit Error Rate Display
33	Toggle Terminal Debug Mode
38	Default Dynamic Convergence Settings
41	Re-initialize the NVM
42	Re-initialise geometry settings
43	Default Programme info in NVM with factory settings
44	Default favourite pages to 100,101,102 and 103
45	Switch off all Parental locks
47	Default MSP settings
48	Set NVM as Non-virgin
49	Set NVM as virgin
50	No function
51	Dolby Pro-Logic On, Volume 90%
52	Noise On Left Speaker
53	Noise On Right Speaker Only
54	Noise On Centre Speaker Only
55	Noise On Surround Speaker Only
56	Set Colour to Minimum and Picture to Maximum

57	Set Colour and Picture to Minimum and Adjust Sub- Brightness
58	
60	No function
61	N-board Reset
62	Toggle the 3.3v regulator on A2-board
63	Toggle Attenuation switch on Port Expander
64	Smart Link Test- Toggle the Smart Link pin 50 times
66	No function
67	No function
68	Pre-set AV Labels
69	No function
70	No function
71	Select Compact Text/Compact Text-2
72	Balance Left/Right (press ← key for balance left, → for balance right, and ↑ for centre balance)
73	Dual Sound Headphones (Tkey for A, key for B)
74	Dual Sound Speakers (hey for A, key for B)
75	DSP Bypass
76	Dolby Enabled/Disabled toggle
77	Setup trap switch
78	Set Screen Size
79	Wide Setup
80	No function
81	Velocity Mod ON
82	Velocity Mod OFF
83	Special Picture Mode - Personal mode, reset & brightness = 0
84	Text Interlace odd (Non interlace mode = 3)
85	Text Interlace even (Non interlace mode = 2)
86	Auto Cut Off ENABLE
87	Auto Cut Off DISABLE
88	Diagnostics OFF
89	Diagnostics ON
90	No function
91	Clear & disable OSD
92	Enable OSD
93	D/K Nicam Enable
94	D/K Nicam Disable
95	Reset language select menu on power up
96	Set all programme labels to default
97	Toggle MHEG Mode

4-3. 'T' TEST MODE :

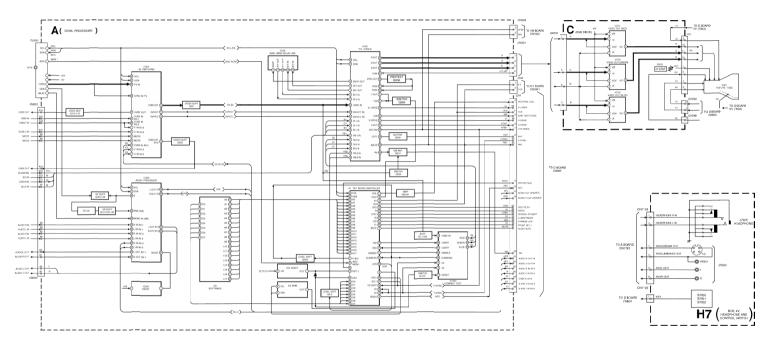
'T' Mode is available by pressing the Test key once. It is exited by pressing the Test key twice, or by pressing the TV key, or by switching the set into standby.

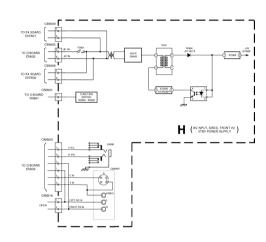
The functions described below are available by pressing the indicated

key:

Key	T Mode Function
Volume +	Volume Maximum
Volume -	Volume Minimum
Picture +	Picture Maximum
Picture -	Picture Minimum
Colour +	Colour Maximum
Colour -	Colour Minimum
Brightness +	Brightness Maximum
Brightness -	Brightness Minimum
Hue +	Hue Maximum
Hue -	Hue Minimum
Sharpness +	Sharpness Maximum
Sharpness -	Sharpness Minimum
Balance Left	Balance Full Left
Balance Right	Balance Full Right
Treble +	Treble Maximum
Treble -	Treble Minimum
Bass +	Bass Maximum
Bass -	Bass Minimum
Analogue +	Select Analogue Value Maximum
Analogue -	Select Analogue Value Minimum

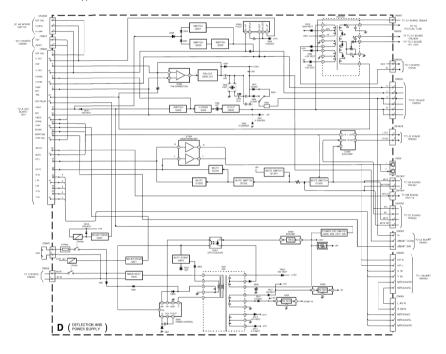
5-1. BLOCK DIAGRAMS (1)

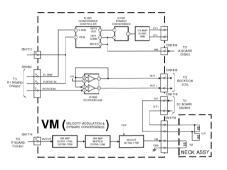


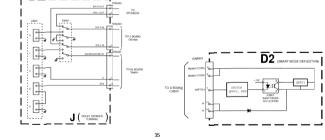


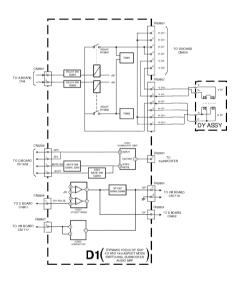


5-1. BLOCK DIAGRAMS (2)

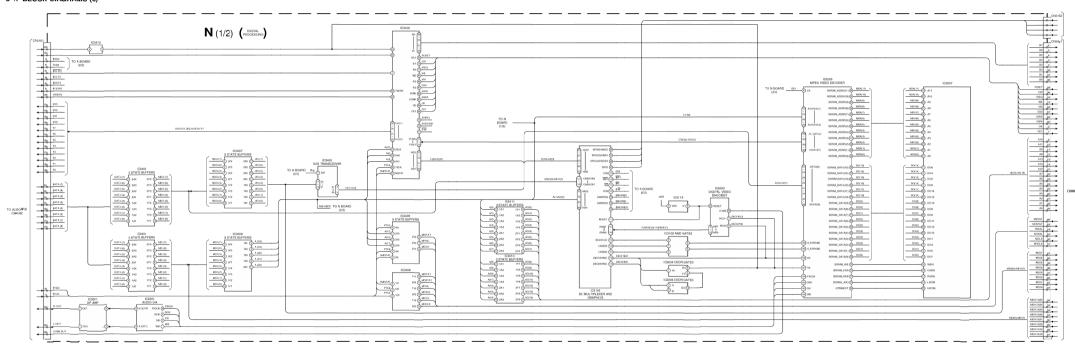




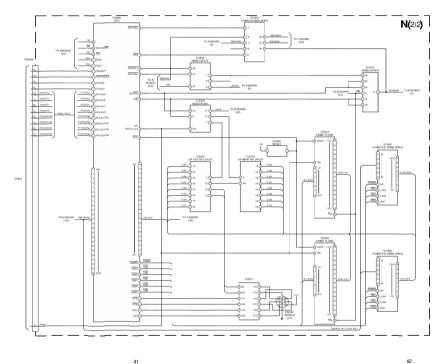


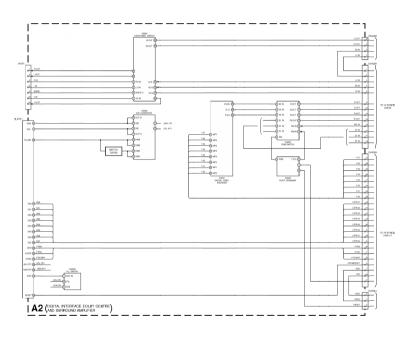


5-1. BLOCK DIAGRAMS (3)

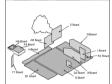


5-1. BLOCK DIAGRAMS (4)





5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

All capacitors are in jif unless otherwise noted.

Fir jif 500V or less are not indicated except for electroyic papes.

Indication of resistance, which does not tave one for rating electrical power, is as follows.

· ronflammable resistor

· tusible resistor.

 internal component. :panel designation or adjustment for repair.

All variable and adjustable resistors have characteristic curve B, unless otherwise acted.
All voltages are in Notik.
Readings are taken with a 10Mohem digital mutmeter.
Readings are taken with a cobr bar input signal.
Valtage variations may be noted due to normal producteriors.

: B + tus.

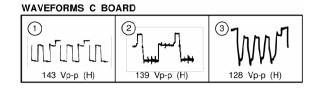
· RF sgnal path.

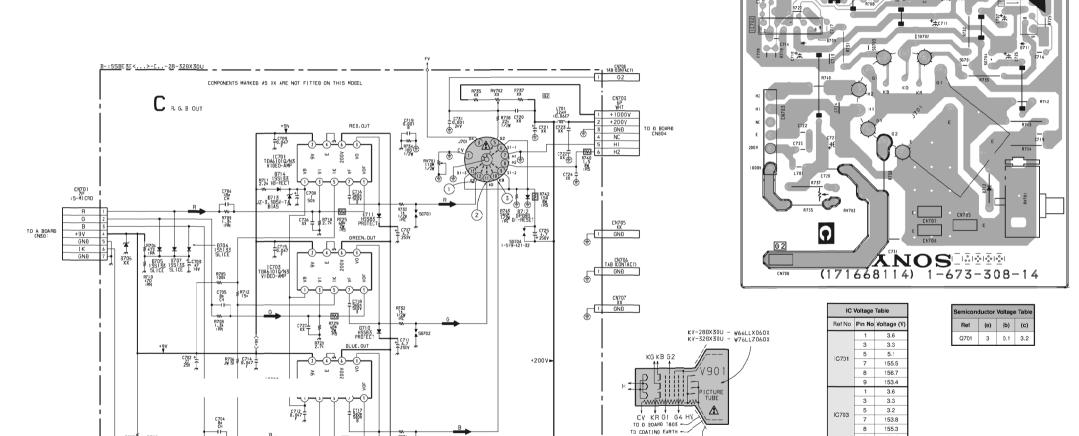
· ____ :earth - ground.

RESISTOR	RN	: METAL FILM	
	RC	: SOLID	
	FPR0	: NON FLAMMABLE CARBON	
	FUSE	: NON FLAMMABLE FUSIBLE	
	RS	: NON FLAMMABLE METAL OXIDE	
	RB	: NON FLAMMABLE CEVIENT	
	RW	: NON FLAMMABLE WIREWOUND	
	*	: ADJUSTMENT RESISTOR	
COIL	LF-8L	: MICRO INDUCTOR	
CAPACITOR	TA	: TANTALUM	
	PS	:STYROL	
	PP	: POLYPROPYLENE	
	PT	: MYLAR	
	MPS	: METALIZED POLYESTER	
	MPP	: METALIZED POLYPROPYLENE	
	ALB	: BIPOLAR	
	ALT	: HIGH TEMPERATURE	
	ALR	: HIGH RIPPLE	

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts ist.

Note: Les composants identifiés par une trame e par une marque & sent d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.





\$56703

C [R,G,B DRIVE]

45

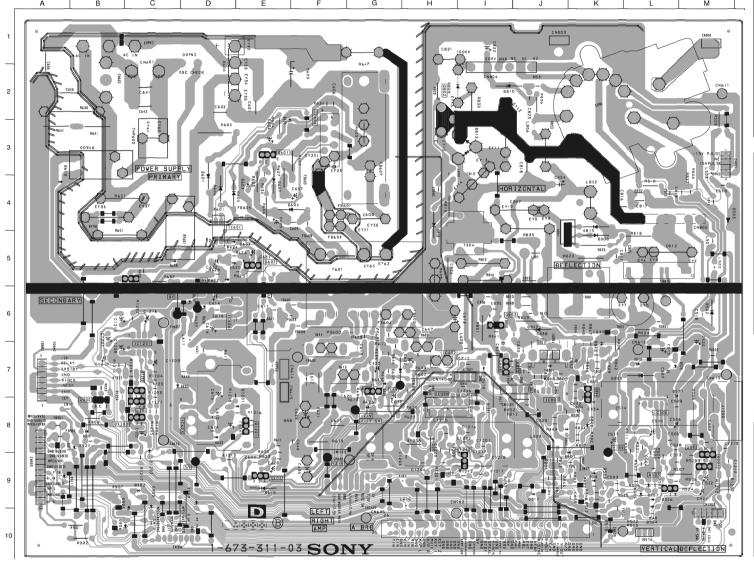
T XX MTZJ-77.5.1B

153.8 155.3 8 152.2

3.6 3 3.3

5 7 3.2 156.0 8 157.5

R G B 9V E IK E



Semiconductor Voltage Table							
Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q501	gnd	0	0	Q805	gnd	0	3.5
Q502	gnd	0	-5.1	Q900	gnd	0	3.8
Q503	-10.7	-5.1	-10.6	Q1200	2.4	3	4.4
Q605	0	0	12.1	Q1201	3.1	3.6	4.9
Q606	12.3	12.1	0	Q1202	gnd	3.1	0
Q607	gnd	0	12.3	Q1203	gnd	0	0
Q611	gnd	0	0	Q1204	0	0	0
Q803	gnd	0	73.5				

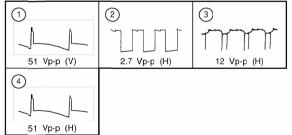
IC Voltage Table			
Ref No	Pin No	Voltage (V)	
	5	3.3	
IC800	6	2.3	
	7	7.5	
	1	1.6	
	3	-11.5	
IC500	5	0	
	6	13.0	
	7	1.6	
	1	-20.9	
	2	0	
	3	20.9	
C1200	4	0	
IC1200	5	7.3	
	6	-20.9	
	7	0	
	11	0	

	IC	D571	L - 7
IC500	L · 8	D600	D - 2
IC600	F-3	D601	D - 4
IC601	D - 5	D603	E - 4
IC602	H - 7	D604	F - 4
IC603	D - 8	D605	D - 4
IC606	D - 6	D606	D - 4
IC800	J - 7	D607	E - 4
IC1200	H - 7	D608	F - 3
IC1201	C - 7	D609	H - 6
TRAN	SISTOR	D611	D - 7
Q501	M - 8	D612	E - 6
Q502	M - 8	D613	F - 7
Q503	L · 9	D614	F - 7
Q601	E - 3	D617	G - 7
Q605	G - 7	D618	I - 7
Q606	E - 9	D619	A - 3
Q607	E - 5	D620	D - 5
Q611	C - 5	D622	D - 5
Q801	J - 6	D625	G - 8
Q802	H - 2	D637	D - 6
Q803	I - 6	D638	C - 5
Q804	K - 7	D800	K - 8
Q805	1-7	D801	J - 9
Q900	B - 7	D803	K - 7
Q1200	I - 8	D807	J - 6
Q1201	E - 8	D808	K - 5
Q1202	C - 8	D810	I - 2
Q1203	C - 7	K - 4	J - 7
Q1204	K - 7	D812	1-3
	DES	D815	K - 4
D500	K - 9	D817	J - 9
D502	M - 6	D902	C - 9
D503	M - 4	D903	D - 9
D504	L - 10	D904	C - 9
D505	L - 9	D905	C - 9
D506	L · 9	D609	B - 10
D507	L - 9	D920	B - 8
D510	L - 7	D1201	E - 8
D570	L - 7	D1202	C - 9

Semiconductor Location Table

WAVEFORMS D BOARD

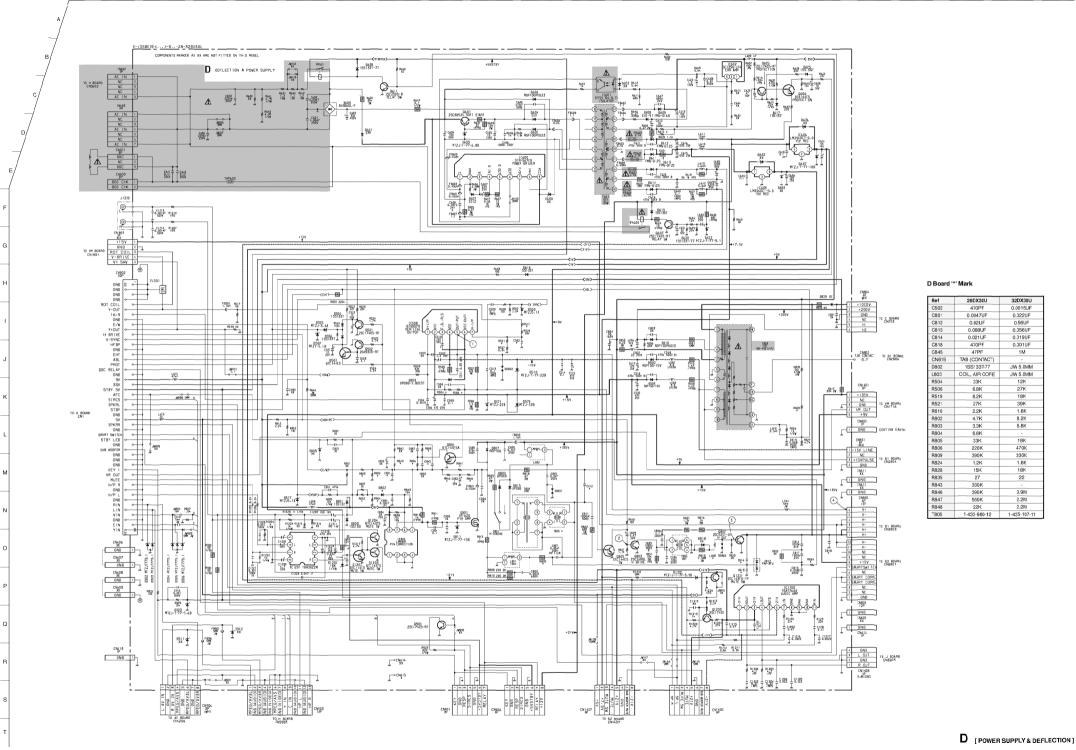
48

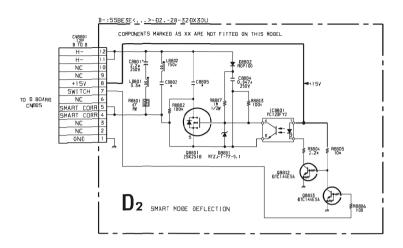


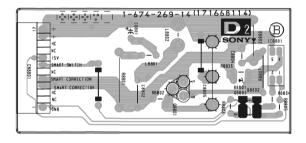


NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shock during inspection or repair.

D [PRINTED WIRING BOARD]

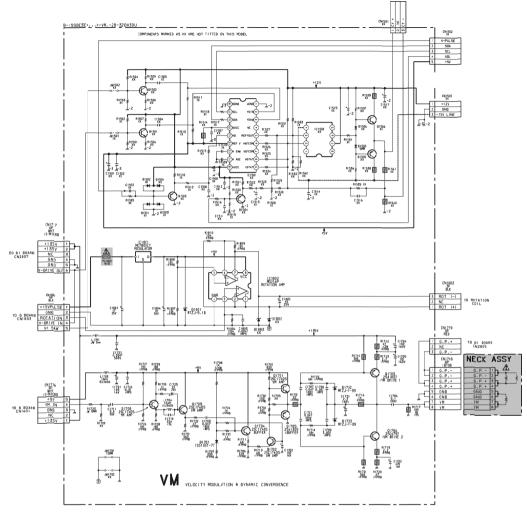


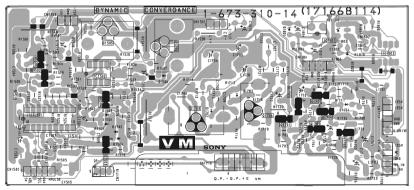


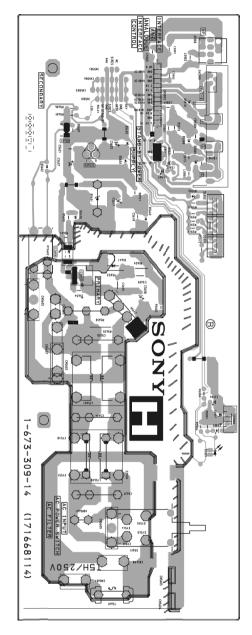


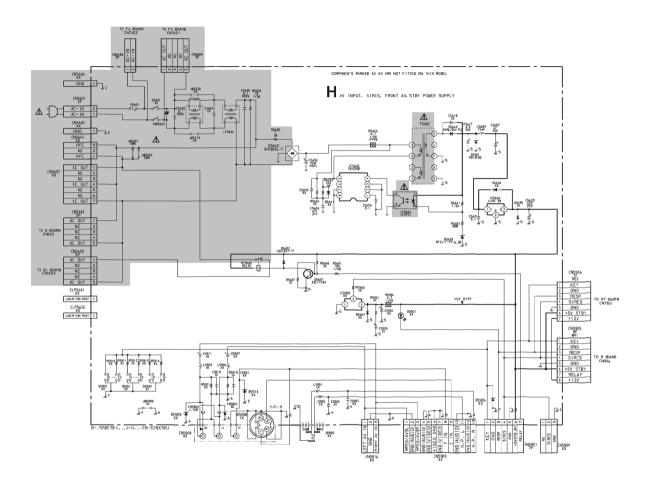
D2 Board " Mark

Ref	26DX3)U	32D):30U
C8802	0.16UF	0.12UF
C8805	1.2UF	0.82UF





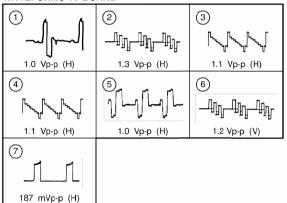




H[PRINTED WIRING BOARD]

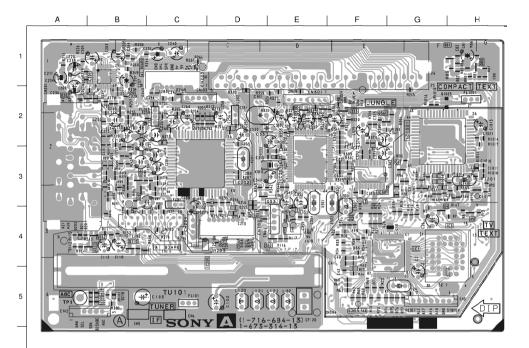
 $oldsymbol{\mathsf{H}}$ [av input, sircs, front av, stby power supply]

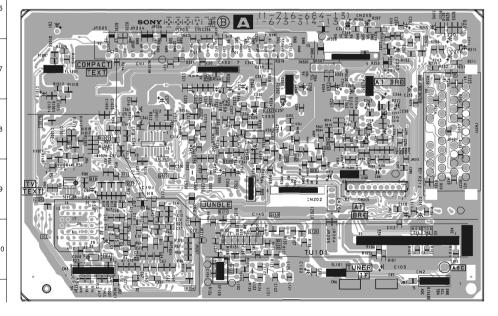
WAVEFORMS A BOARD

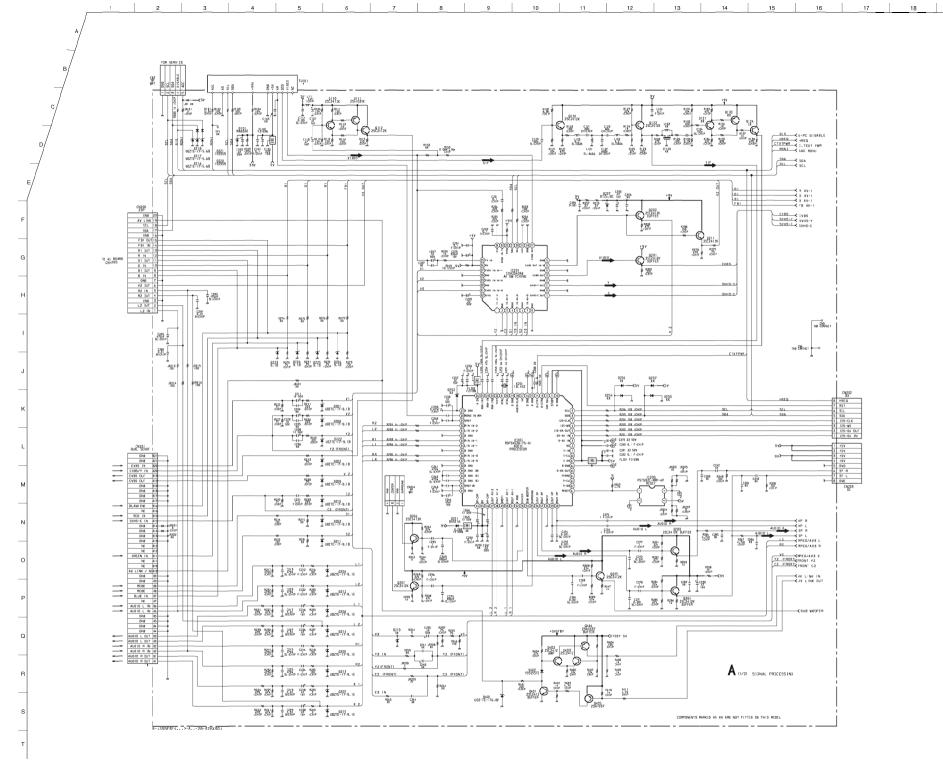


	IC	Q140	H - 3	TRAN	SISTORS	D221	B - 5
IC1	G - 4	Q141	A - 9	D2	C - 10	D222	H - 6
IC2	B - 9	Q201	G - 7	D16	C - 9	D223	B - 3
IC3	G - 4	Q202	A - 2	D30	D - 8	D224	B - 3
IC4	B - 10	Q203	B - 3	D101	G - 10	D225	B - 2
IC201	B - 1	Q204	B - 3	D201	H - 6	D226	B - 3
IC202	D - 3	Q205	B - 3	D202	A - 4	D227	B - 2
IC205	D - 4	Q206	F - 8	D203	H - 6	D303	F - 7
IC301	E-3	Q211	B - 2	D204	C - 2	D304	F - 7
IC302	C - 8	Q300	C - 9	D205	C - 2	D320	D - 7
IC1001	G - 2	Q304	D - 10	D206	F - 7	D331	D - 7
TRANS	ISTORS	Q305	A - 9	D207	F - 7	D370	F - 3
Q1	G - 3	Q306	D - 8	D208	H - 6	D401	H - 9
Q4	H - 4	Q330	D - 8	D209	H - 7	D402	E - 8
Q15	B-8	Q331	E - 4	D210	H - 6	D1010	B - 7
Q30	E - 4	Q332	E - 8	D211	H - 7		
Q80	H - 1	Q333	F - 2	D212	D - 2	l	
Q81	G - 1	Q334	E - 2	D213	D - 2	l	
Q82	D - 4	Q335	E- 2	D214	F - 8	l	
Q110	B - 4	Q401	E - 9	D215	F - 8	l	
Q111	B - 4	Q402	E - 9	D216	B - 5	l	
Q112	B - 4	Q403	F - 8	D217	B - 5	l	
Q120	E - 10	Q404	F - 9	D218	B - 5	l	
Q122	D - 10	Q1002	B - 8	D220	B - 5	l	

A [PRINTED WIRING BOARD]





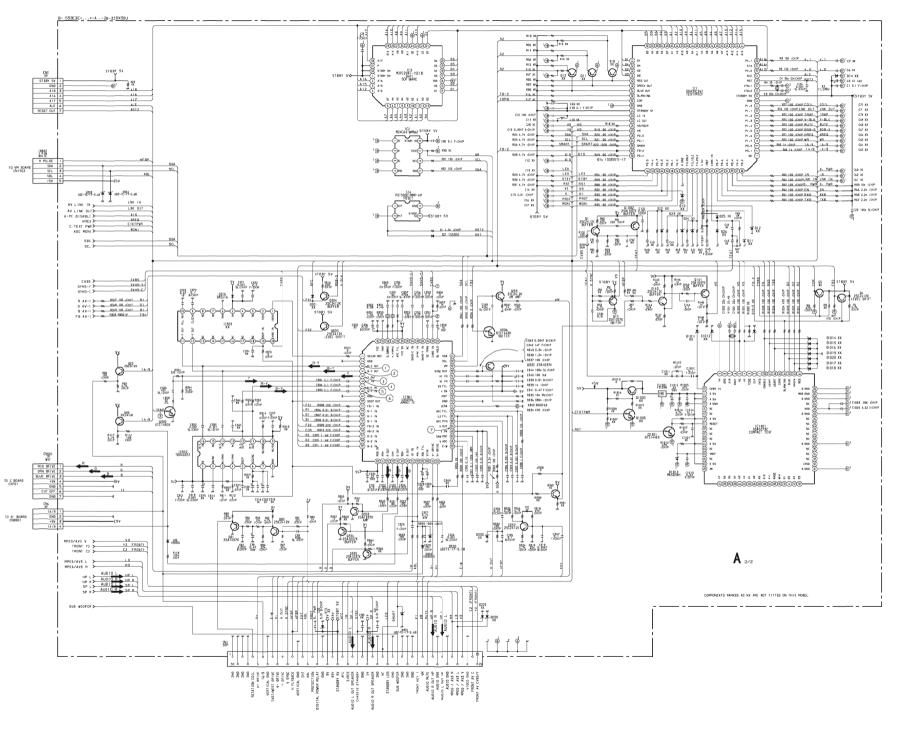


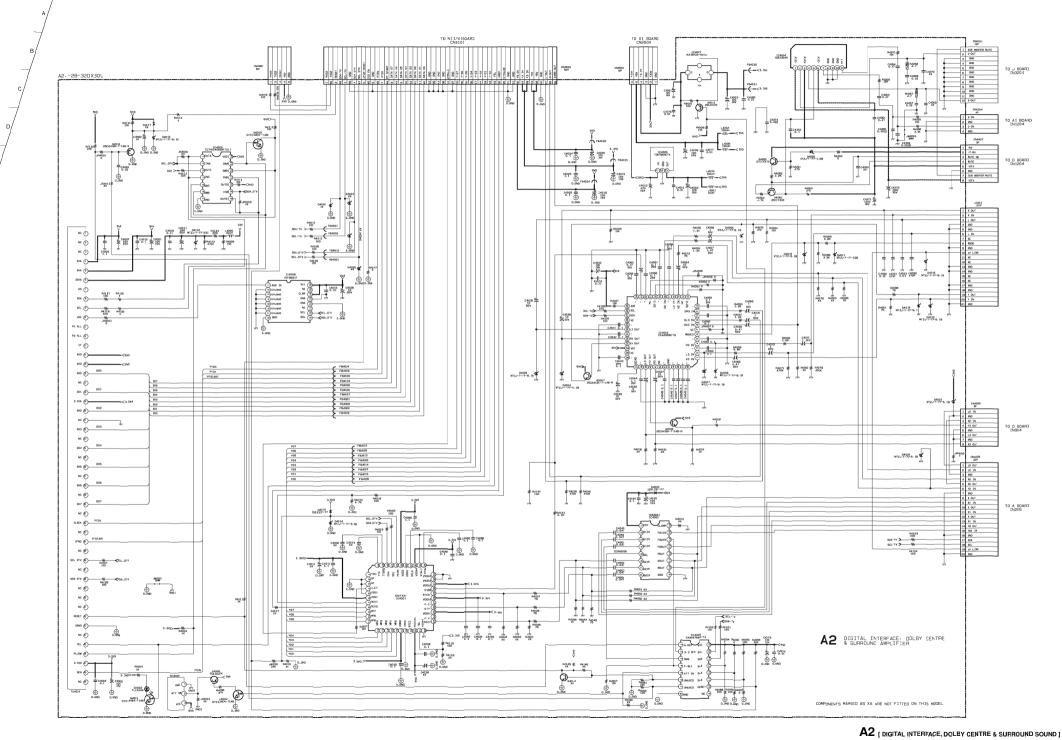
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (1
	1	4.1		14	5.4
	3	4.1		15	0
	4	0.1		16	0
	5	4.1		17	5.4
	6	0.1		18	5.4
	7	4.1		19	5.4
	9	4.1		21	4.4
	11	4.1		22	1.4
IC201	13	4.1		23	4.0
	15	4.1		24	1.4
	17	4.1		25	4.0
	20	4.5		26	1.3
	21	4.5		27	2.9
	24	3.2		28	4.1
	25	0.1		29	8.9
	27	4.2		30	1.5
	29	4.1		31	2.8
_	8	4.5		32	2.9
	9	4.5		33	3.6
	20	1.9		34	4.1
	21	2.2		35	4.5
	_			37	_
	23	1.5	IC301	38	3.3
	25	1.5		39	4.5
	28	3.6		40	4.0
	29	2.5		41	2.3
	30	3.6		42	0
	31	3.6		43	1.7
IC2(2	33	3.6		45	2.6
	34	3.6		46	3.9
	36	3.5		47	3.0
	37	3.6		48	4.4
	42	3.5		49	6.7
	44	7.1		50	4.5
	46	7.1		51	4.5
	47	3.5		52	4.1
	48	0		53 54	3.9
	56	0		54	3.6
	59	0		56	-4.6
	60	0		57	4.1
_	1	1.5		58	-0.3
	2	0		60	4.5
	3	5.6		61	5.0
	4	5.8		62	5.1
	5	3.5		63	0
	6	4.9		64	-5.2
IC301	7	5.4		5	0.7
	8	5,4		11	3.0
	9	0	10302	12	3.6
	10	0		14	1.4
	11	0		15	0
	12	5.4		16	1.4

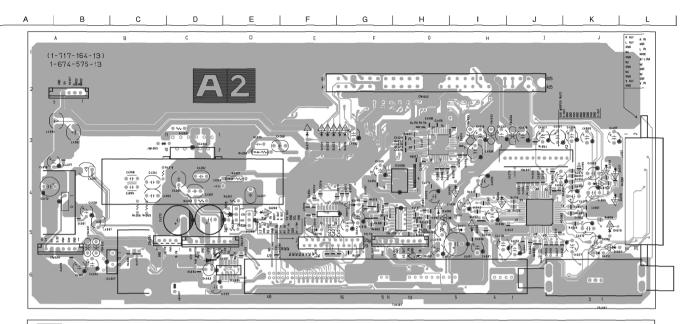
IC Voltage Table

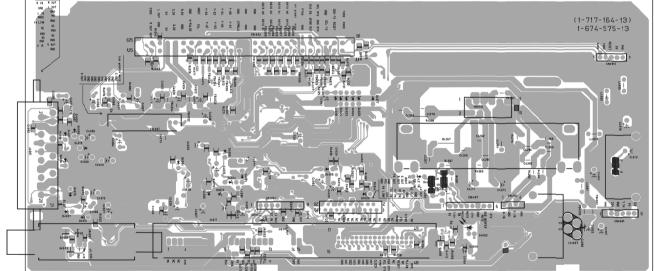
		Table	r Voltage	nducto	Semico		
(c)	(b)	(e)	Ref	(c)	(b)	(e)	Ref
VCC	3.1	3.3	Q204	8.1	3.2	3.5	Q1
0	3.4	gnd	Q300	4.9	0	0	Q4
voc	0	0	Q305	4.0	0	gnd	Q80
6.6	2.0	2.7	Q332	4.7	4.1	gnd	Q81
gno	1.4	2.0	Q333	4.5	2.0	1.8	Q110
gno	1.4	2.0	Q334	2.7	4.1	vcc	Q111
4.6	0	gnd	Q401	voc	2.7	2.9	Q112
4.2	4.1	4.1	Q402	voc	5.0	4.4	Q120
voc	2.9	4.1	Q403	voc	3.9	3.3	Q122
4.8	4.2	voc	Q404	0.9	8.2	vcc	Q141
0	4.9	4.9	Q405	voc	4.1	3.5	Q201
4.0	0	gnd	Q1001	8.1	4.1	3.5	Q202
8.8	5.1	VCC	Q1002	vcc	3.0	3.3	Q203

A [SIGNAL PROCESSING (Page 1/2)]

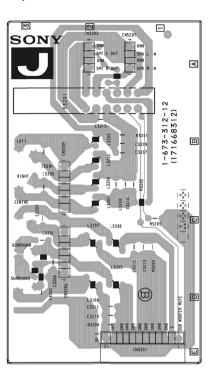




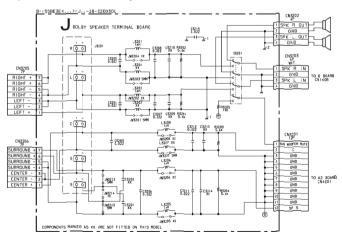


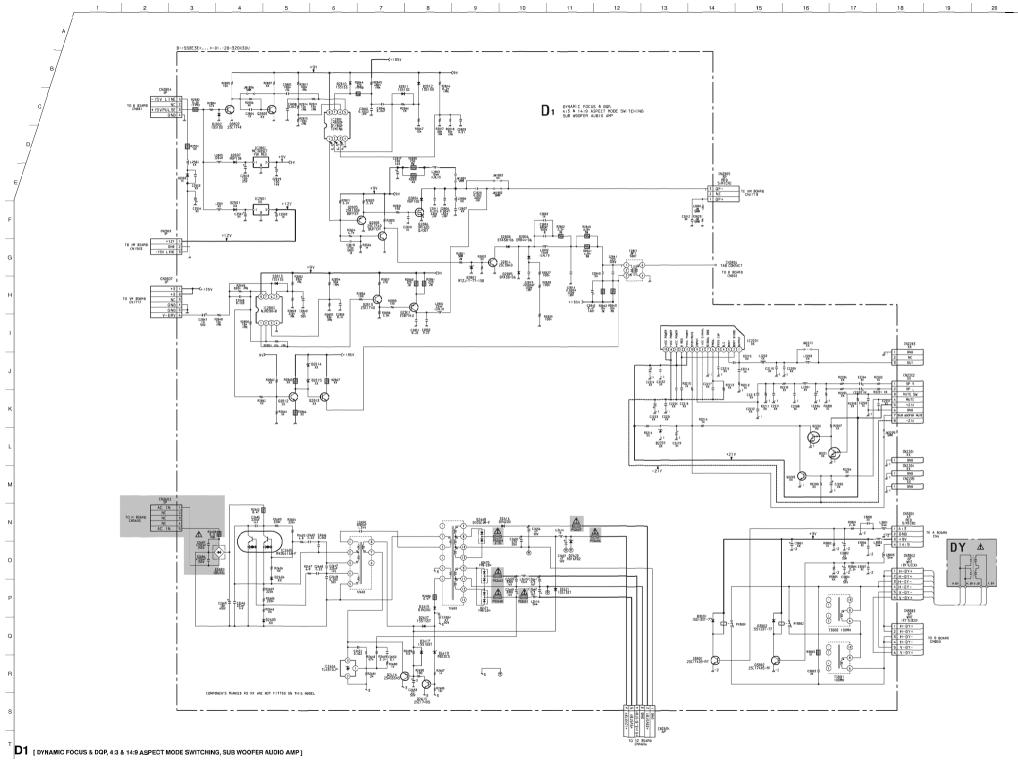


	Semiconductor Location Table												
IC	IC4009 K-10	Q4008 J - 5	DIODES	D4008 K-3	D4014 I - 4	D4021 H - 4							
IC4003 J - 4	TRANSISTORS	Q4009 I - 10	D4002 D - 5	D4009 H - 3	D4015 K · 3	D4260 E - 4							
IC4004 D - 3	Q4001 D - 5	Q4011 C - 5	D4004 I - 4	D4010 K - 5	D4016 K · 4								
IC4005 G - 4	Q4004 B - 10	Q4014 G - 4	D4005 G - 4	D4011 K - 3	D4018 G - 3								
IC4007 B - 5	Q4005 B - 10	Q4260 E - 4	D4006 I - 4	D4012 - 4	D4019 K - 4								
IC4008 H - 3	Q4007 I - 4	Q4261 E - 4	D4007 K - 5	D4013 H - 4	D4020 F - 4								

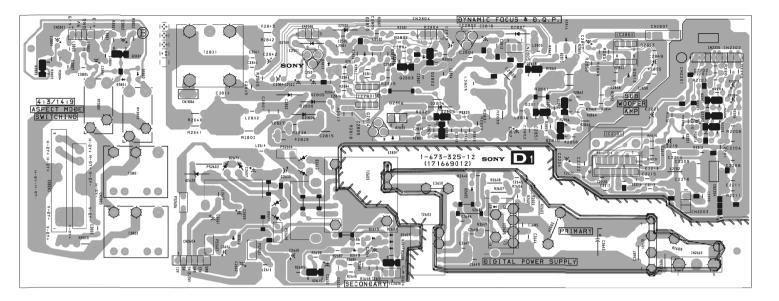


J [DOLBY SPEAKER TERMINAL BOARD]

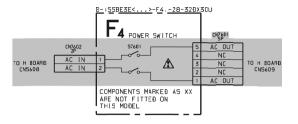




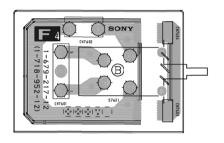
D1 [PRINTED WIRING BOARD]



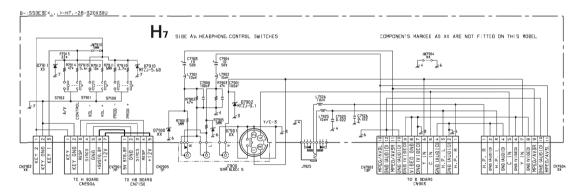
F4 [POWERSWITCH]



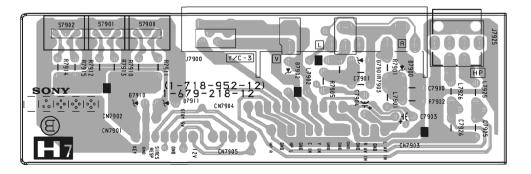
F4 [PRINTED WIRING BOARD]



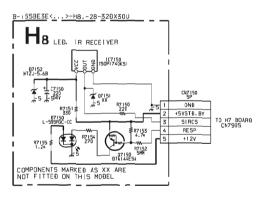
H7 [SIDE AV, HEADPHONE, CONTROL SWITCHES]



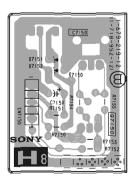
H7 [PRINTED WIRING BOARD]

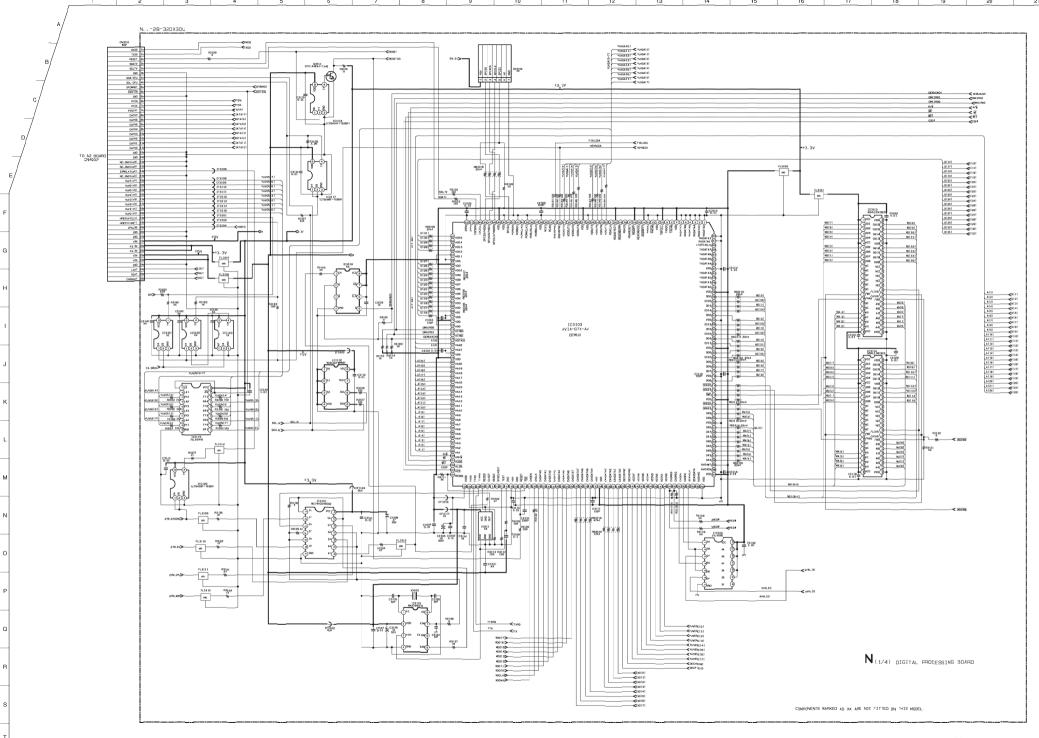


H8 [LED, IR RECEIVER]

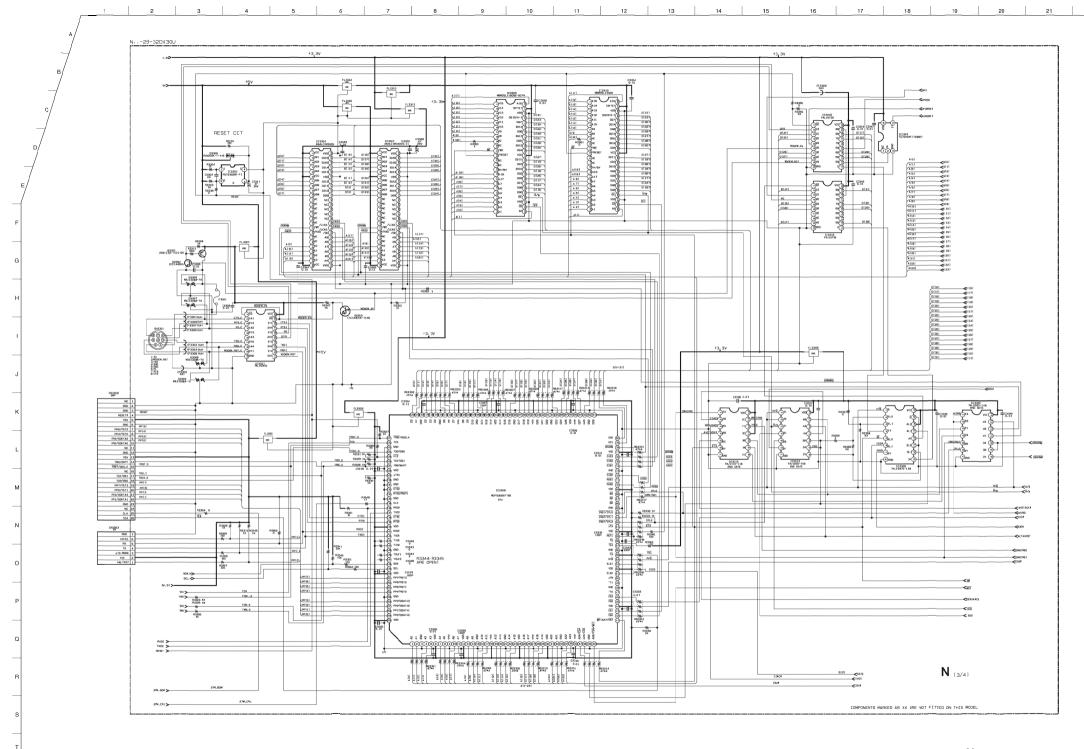


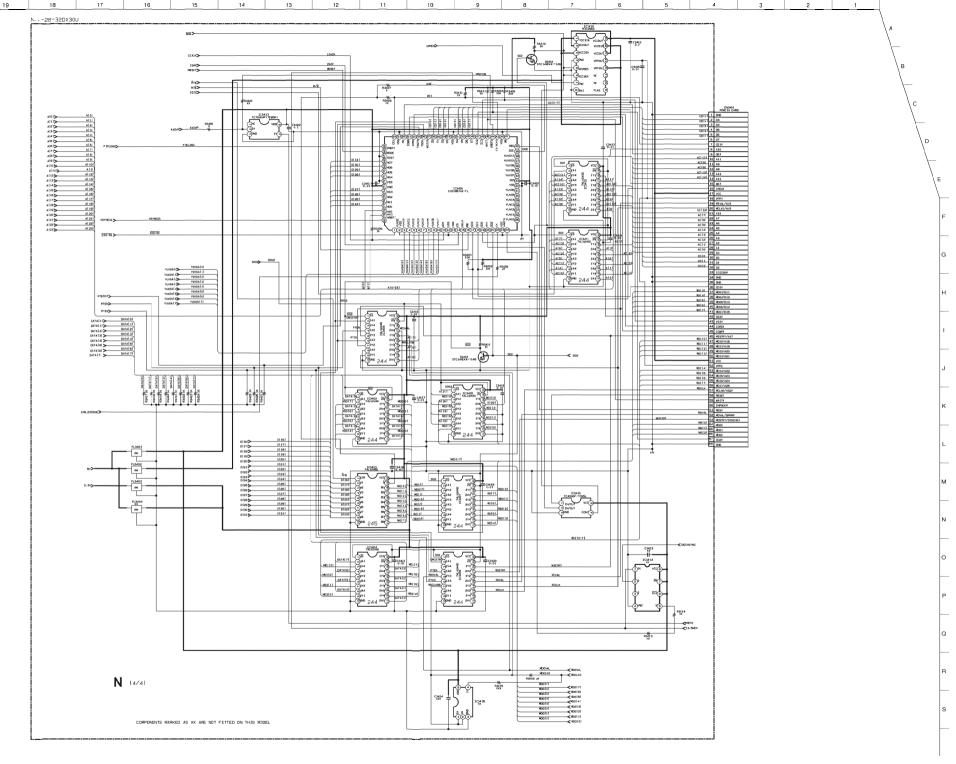
H8 [PRINTED WIRING BOARD]



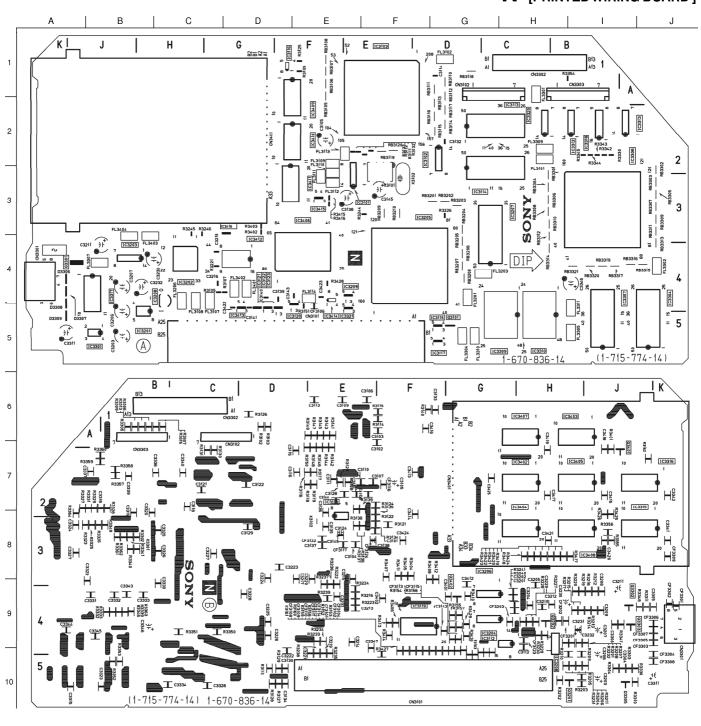


N..-28-32DX3CU COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL N 2/4 0.01 +3:3V MARIA DE CONTROL DE CO





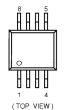
N [PRINTED WIRING BOARD]



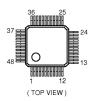
							Sem	iconducto	r Location	n Table							
I	С	IC3116	D - 1	IC3201	B - 5	IC3209	E - 4	IC3315	I - 7	IC3404	H - 7	IC3412	D - 4	Q3201	I - 9	D3307	A - 5
IC3101	E - 3	IC3117	G - 5	IC3202	C - 5	IC3301	B - 5	IC3316	J - 7	IC3405	I - 7	IC3413	D - 5	Q3202	H - 9	D3308	A - 5
IC3102	F - 2	IC3118	E - 7	IC3203	B - 4	IC3304	J - 4	IC3317	B - 4	IC3406	E - 3	IC3413	D - 5	Q3301	A - 4	D3309	A - 5
IC3103	F - 1	IC3119	F - 9	IC3204	G - 9	IC3307	I - 4	IC3318	I - 2	IC3407	H - 6	IC3414	E - 5	Q3302	I - 9	D3311	A - 5
IC3112	G - 9	IC3120	D - 5	IC3205	F - 3	IC3308	l - 2	IC3320	H - 2	IC3408	I - 8	IC3415	E - 3	Q3401	I - 7		
IC3113	H - 2	IC3121	D - 4	IC3206	G - 8	IC3309	G - 5	IC3321	E - 5	IC3409	E - 2	IC3416	D - 3	Q3402	G - 9		
IC3114	G - 3	IC3122	D - 4	IC3207	H - 3	IC3310	H - 5	IC3402	H - 7	IC3410	E - 2	TRANS	ISTORS	DIC	DES	i	
IC3115	G - 5	IC3123	D - 4	IC3208	B - 4	IC3312	l - 2	IC3403	I - 6	IC3411	E - 3	Q3101	G - 5	D3306	A - 4	1	

5-4. SEMICONDUCTORS

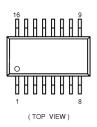
BA7046F BA7046F-T1 LM393PS-E20 MB3793-42NF MB3793-42NF-ER NJM2240M NJM2240M(TE2) NJM3404AD



CXA1855Q-T6



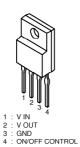
CXA1875AM-T4 HE4094BT MC14052BDR2 MC74F157ADR2 SN74LS221D 74HCT4046AD/S470



CXD2053S TDA4780/V3



KA78R05TU KA78R09TU KA78R33TU



CAD005AD LM358 LM393N M5216P M24C32-BN6 ST24C16FB6 TDA2822M UPC393C



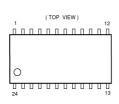
LM78L05ACZ LM78L12ACZ L78L05ACZ-AP L78L12ACZ-AP



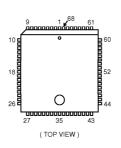
MB3793-42PNF-ER



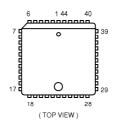
MB88141PF-ER



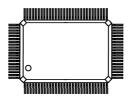
MSP3410D-QA-B4 SAA7185WP SDA5273P-C134-GEG SDA5275



M27C800-100K1



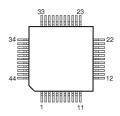
MSM65355GS SAB-C161R1-LM



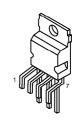
SBX1981-51



SDA9361



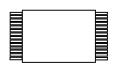
STV9379



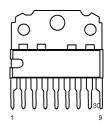
TC4S69F



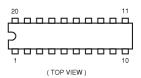
TC55257DFTL-70V-EL



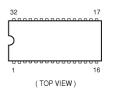
TDA6111Q/N4



TDA7309D013TR



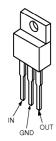
SDA9288X-B121 TDA9143/N2 TDA9144/N2 TDA9170T MSM534031E3Y-Z



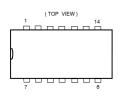
TDA9320H-N1-518

33
32
44
(TOP VIEW)

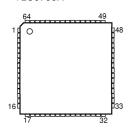




TLC2933



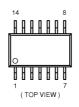
TLC5733A



TOP209P



U2860B-BFPG3 74LVC08D



BC546B BC556B



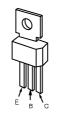
BF199 BF199-AMMO



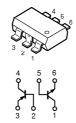
BF421-AMMO



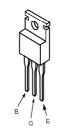
BF87-127



IMZ1A-T109



IRF614 IRF620



DTC144EK

DTC144EK-T146

2SA1037K-T-146-R

2SA933AS-RT

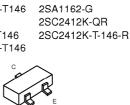
2SA933S-RT

2SC1740S-RT

2SC2785-HFE

2SA933AS-QRT

DTA144EK DTA144EK-T146 DTC114EK DTC114YKA-T146 DTC123EK DTC123EK-T146 DTC124EKA-T146

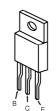


DTA144ESA DTA144ESA-TP DTC114ESA-TP





2SA1837



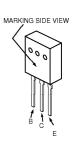
2SC2500-B 2SC2551-O 2SC2551O-TPE2



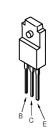
2SC2688-LK 2SC3840K



2SC3997CA



2SC4793



2SD2396H



DAN202K DAN202K-T-146





DAP202K DAP202K-T-146





DA204K DA204K-T-146



RGP02-20EG23

RGP10GPKG23 RGP15GPKG23

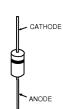
S2LA20F

1SS83TD

1SS83

1SS133T-77

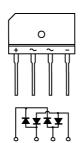
D1NL20-TA D1NL20U-TR D1NS4-TR EGP20G EL1Z GP08D GP08DPKG23 R2K-V1



D10SC4M-F D10SC6M

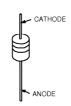


D4SB60L D4SB60L-F RBA-402L

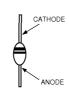


ERA38-06TP1 ERA82-004TP1 GP08DPKG23 MTZJ-T-77-12 MTZJ-T-77-2.2A MTZJ-T-77-3-3B MTZJ-T-77-3.6A MTZJ-T-77-4.7B MTZJ-T-77-5.6B MTZJ-T-77-5.68 MTZJ-T-77-5.8

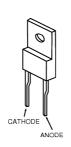
MTZJ-T-77-9.1 MTZJ-T-77-12 MTZJ-T-77-22 MTZJ-T-77-18B MTZJ-33C RD5.6ESB2 RD9.1ESB2 PGKE200AG23 1SS119-25 1SS119-25TD



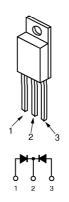
ERC04-06SE



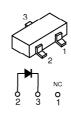
ERD08M-15



ESAC39M-06C ESAC39M-06CF38



MA3033-L MA3033L-TX MA3056M-TX MA3062M-TX MA3030-H-(TX)



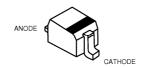
MA3051L-TX



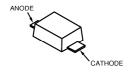
MA73-TX



1SS355TE-17 RD12SB2 UDZ-TE-17-3.9B UDZ-TE-17-4.7B UDZ-TE-17-6.2B UDZ-TE-17-6.8B UDZ-TE-12B

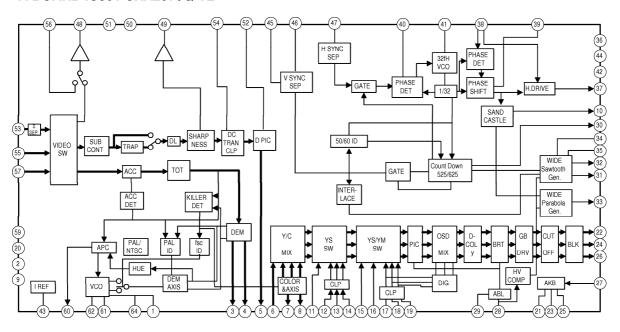


UF4005PKG23

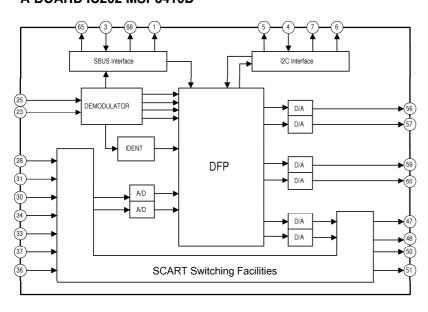


5-5. IC BLOCK DIAGRAMS (1)

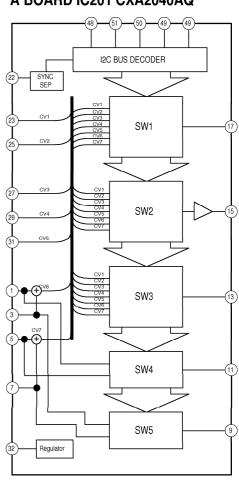
A BOARD IC301 CXA2076Q-TL



A BOARD IC202 MSP3410D

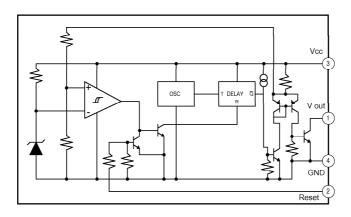


A BOARD IC201 CXA2040AQ

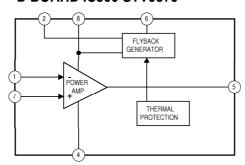


5-5. IC BLOCK DIAGRAMS (2)

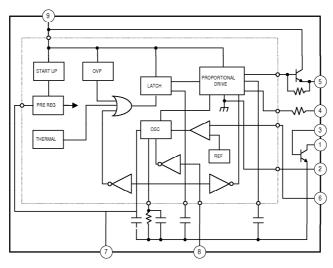
A BOARD IC4 PST593C



D BOARD IC500 STV9379



D BOARD IC600 STR-S6709



SECTION 6 EXPLODED VIEWS

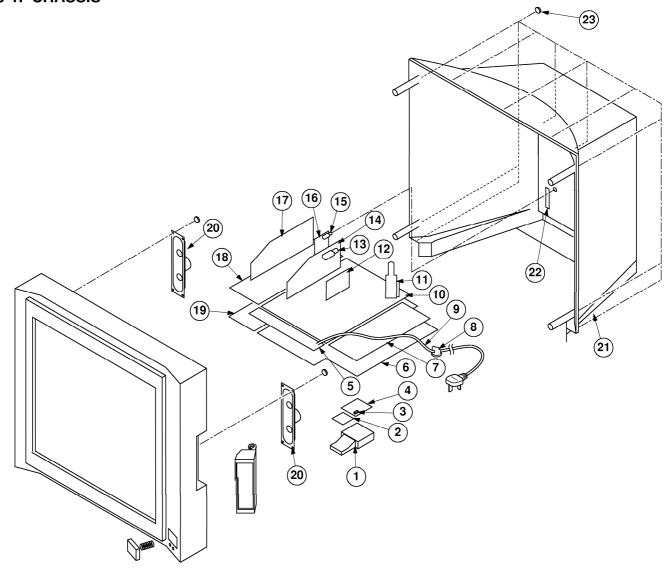
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

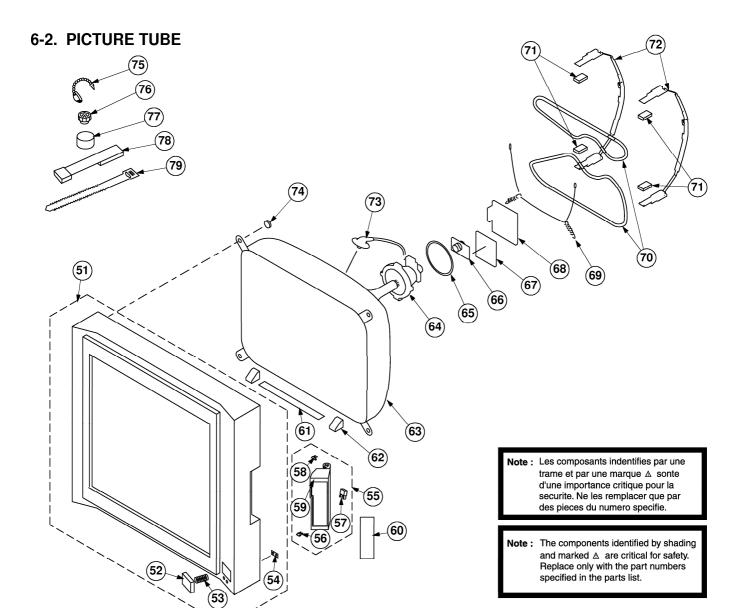
Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Replace only with the part number specified.

6-1. CHASSIS



REF. NO.	PART.NO	DESCRIPTION REMARK	REF. NO.	PART.NO	DESCRIPTION REMARK
1	*4-205-697-01	H/F BRACKET		*A-1642-251-A	D2 BOARD, COMPLETE (KV-32DX30U)
2	*A-1646-223-A	H8 BOARD, COMPLETE	13	1-693-339-11	TUNER/VIF (UK)
3 🔝	1-571-433-21	SWITCH, PUSH (AC POWER)	14	*A-1632-909-A	A BOARD, COMPLETE
4	*A-1624-091-A	F4 BOARD, COMPLETE	15	4-205-128-01	BUTTON, SURROUND
5	*A-1647-041-A	H BOARD, COMPLETE	16	*A-1651-143-A	J BOARD, COMPLETE
6	*4-204-752-02	BRACKET, MAIN	17	*A-1654-051-A	N BOARD, COMPLETE
7	*A-1640-405-A	D1 BOARD, COMPLETE	18	*A-1632-908-A	A2 BOARD, COMPLETE
8	*4-202-531-01	AC CORD LOCK (SC)	19	*4-204-751-11	BRACKET, A2
9 🛕	1-776-204-12	POWER CORD, FILTER (UK)	20	1-529-408-11	SPEAKER (4.2x24CM)
10	*A-1642-268-A	D BOARD, COMPLETE (KV-28DX30U)	21	4-205-700-11	REAR COVER (KV-28DX30U)
	*A-1642-269-A	D BOARD, COMPLETE (KV-32DX30U)		4-205-736-01	REAR COVER (KV-32DX30U)
11 A	1-453-332-11	TRANSFORMER ASSY, FLYBACK (NX-4521//J114)	22	4-204-656-11	COVER, PCMCIA
12	*A-1651-254-A	D2 BOARD, COMPLETE (KV-28DX30U)	23	4-039-358-01	SCREW (4x16), (+) BV TAPPING



REF. NO.	PART.NO	DESCRIPTION REMARK	REF. NO.	PART.NO	DESCRIPTION REMARK
51	X-4200-630-2	0-2 BEZNET ASSY (KV-28DX30U) 52-54	66 Д	8-453-011-11	NECK ASSY, NA299-M
	X-4200-641-1	L-1 BEZNET ASSY (KV-32DX30U) 52-54	67	*A-1644-107-A	VM BOARD, COMPLETE
52	4-205-699-01	-01 POWER BUTTON	68	*A-1638-126-A	C BOARD, COMPLETE
53	4-202-964-11	-11 SPRING	69	4-200-433-01	SPRING, EXTENSION
54	4-205-698-01	-01 GUIDE, LIGHT	70 ▲	1-416-466-11	COIL, DEMAGNETIC (KV-28DX30U)
55	A-1610-076-A	5-A DOOR ASSY 56-59	\triangle	1-416-769-11	COIL, DEMAGNETIC (KV-32DX30U)
56	3-022-410-01	-01 DAMPER	71	*4-203-390-01	CUSHION, DGC (KV-28DX30U)
57	4-047-464-01	-01 CATCHER, PUSH		*4-203-390-41	CUSHION, DGC (KV-32DX30U)
58	4-205-743-01	-01 SPRING, TORSION	72	*4-057-303-01	HOLDER, DGC (KV-28DX30U)
59	4-205-695-01	-01 DOOR BRACKET		*4-059-569-01	HOLDER, DGC (KV-32DX30U)
60	*A-1646-222-A	2-A H7 BOARD, COMPLETE	73 △	1-251-317-63	CAP ASSY, HIGH-VOLTAGE
61	4-203-128-41	-41 SHEET, BLOTTING	74	4-036-188-01	SCREW, SELF TAPPING (KV-28DX30U)
62	*4-203-098-01	-01 SUPPORTER, CRT		4-204-225-01	PT SCREW (KV-32DX30U)
63 △	8-737-786-05	-05 PICTURE TUBE (W66LLX060X) (KV-28DX30U)	75	4-308-870-00	CLIP, LEAD WIRE
Δ	8-735-054-05	-05 PICTURE TUBE (W66LLZ060X) (KV-32DX30U)	76	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø
64 △	1-451-481-31	-31 DEFLECTION YOKE (Y28RVC2) (KV-28DX30U)	77	1-452-032-00	MAGNET, DISK; 10MM Ø
Δ	1-451-480-31	-31 DEFLECTION YOKE (Y32RVC2) (KV-32DX30U)	78	X-4387-214-1	PERMALLOY ASSY, CORRECTION
65	1-452-896-11	-11 COIL, NA ROTATION (RT200)	79	3-701-007-00	BAND, BINDING
					'

SECTION 7 ELECTRICAL PARTS LIST

PARTS LISTING TABLE OF CONTENTS

	<u>Page</u>
H7 BOARD COMPLETE Parts List:	
F4 BOARD COMPLETE Parts List:	
A2 BOARD COMPLETE Parts List :	
A BOARD COMPLETE Parts List :	101
C BOARD COMPLETE Parts List :	108
D1 BOARD COMPLETE Parts List :	109
D2 BOARD COMMON Parts List :	Parts common to all models listed in this manual
D2 BOARD VARIANT Parts List :	Parts that belong only to the model specified
<u>Model</u>	
KV-28DX30U	111
KV-32DX30U	112
D BOARD COMMON Parts List :	Parts common to all models listed in this manual
D BOARD VARIANT Parts List :	Parts that belong only to the model specified
<u>Model</u>	
KV-28DX30U	116
KV-32DX30U	
H8 BOARD COMMON Parts List :	117
H BOARD COMMON Parts List:	117
J BOARD COMMON Parts List :	118
N BOARD COMMON Parts List:	
VM BOARD COMPLETE Parts List :	
MISCELLANEOUS:	
ACCESSORIES AND PACKAGING IN	MATERIALS:125

Note: Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)

Parts indicated (#) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.



PART.NO

DESCRIPTION

REMARK

REF. NO.

PART.NO

DESCRIPTION

REF. NO.

The components identified by shading and marked Δ are critical for safety Replace only with the part number specified.

REMARK

KET. NU.	PAKI.NU	DESCRIPT	IUN	Kt	MAKK	KEF. NU.	PAKI.NU	DE2CKIPTIO	N .	KEMAKK
*A-16	46-222-A F	17 Board, 0	Complete			*A-162	24-091-A F	4 Board, Co	mplete	
	< CAPACII	TOR >					*1-679-217-12	PWB, F4		
C7900	1-102-106-00	CEDAMIC	100PF	10.00%	F0V		< CONNECT	IOD \		
C7900	1-102-106-00		100PF	10.00%			CONNEC	IOR /		
C7903	1-126-964-11		10UF	20.00%		CN7601 A	×1-691-291-11	PIN CONNECTO	OR /PC BOAR	פא וחי
C7904	1-126-964-11		10UF	20.00%			×1-580-843-11			2 , 32
C7925	1-137-372-11		0.022UF	5.00%					(2011-11)	
							< SWITCH	>		
C7926	1-137-372-11	MYLAR	0.022UF	5.00%	50V	S7601 A	1-571-433-21	SWITCH, PUSH	(AC POWER)	1
	< CONNECT	OR >					2 2 0 12 100 22	3.1210.1, 200.1	(110 2011211)	
en== 0.01	+1 FC4 F00 11					*A-163	32-908-A <i>A</i>	A2 Board, Co	omplete	
CN7901	*1-564-522-11									
CN7903 CN7905	*1-564-528-11 *1-564-520-11	•								
CN/905	^1-364-320-11	PLUG, CONNE	CIOR SP				4-202-373-01			
	< DIODE >	•						SPACER, INSU		
	(DIODE)						4-382-854-11	SCREW (M3X10)), P, SW (+	+)
D7902 D7910	8-719-923-60 8-719-109-89						< CAPACIT	OR >		
						C4001	1-163-021-01	CERAMIC CHIP	0 01116	10.00% 50V
	< SOCKET	>				C4001	1-126-933-11		100UF	20.00% 16V
						C4003	1-126-933-11		100UF	20.00% 16V
J7900	1-694-564-11	TERMINAL BL	OCK, S			C4004		CERAMIC CHIP		10.00% 25V
J7925	1-785-448-11	JACK				C4005	1-126-933-11		100UF	20.00% 16V
	< COIL >					C4006	1_164_004_11	CERAMIC CHIP	۵ 1 ا ا ا	10.00% 25V
						C4000	1-126-933-11		100UF	20.00% 25V
L7901	1-408-603-31	INDUCTOR	10UH			C4007		CERAMIC CHIP		10.00% 25V
L7902	1-408-603-31		10UH			C4009		CERAMIC CHIP		10.00% 50V
L7925	1-414-183-41	INDUCTOR	10UH			C4010		CERAMIC CHIP		10.00% 25V
L7926	1-414-183-41	INDUCTOR	10UH							
	< RESISTO	NR >				C4011	1-126-969-11		220UF	20.00% 50V
	\ INDIDIC	, , ,				C4012	1-126-935-11		470UF	20.00% 16V
R7901	1-535-465-11	LEAD, JUMPE	R (5.0MM)			C4014		CERAMIC CHIP		10.00% 25V
R7902	1-249-437-11		47K 5%	1/4W		C4015		CERAMIC CHIP		10.00% 50V
R7903	1-249-437-11		47K 5%	1/4W		C4016	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
R7905	1-535-465-11	LEAD, JUMPE	R (5.0MM)			C4018	1-126-933-11	DT DOM	100UF	20.00% 16V
R7910	1-249-422-11	CARBON	2.7K 5%	1/4W		C4018	1-126-933-11		1000F 100UF	20.00% 16V 20.00% 16V
						C4020	1-126-933-11		1000F	20.00% 16V
R7911	1-535-465-11	LEAD, JUMPE	R (5.0MM)			C4020	1-126-933-11		1000F	20.00% 16V
R7912	1-249-429-11	CARBON	10K 5%	1/4W		C4022		CERAMIC CHIP		10.00% 25V
R7913	1-249-426-11		5.6K 5%	1/4W		*****		V V	*****	
R7914	1-249-437-11		47K 5%	1/4W		C4023	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
R7915	1-249-433-11	CARBON	22K 5%	1/4W		C4024		CERAMIC CHIP		10.00% 25V
						C4025	1-126-964-11		10UF	20.00% 50V
	< SWITCH	>				C4026	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
S7900	1-692-979-11	מעדיירים ייזרי	יחדו.ו?			C4027	1-126-964-11	ELECT	10UF	20.00% 50V
S7900 S7901	1-692-979-11									
S7901 S7902	1-692-979-11					C4028		CERAMIC CHIP		10.00% 25V
5.502	1 002 010 11	onlion, inc				C4029		CERAMIC CHIP		10.00% 25V
						C4030	1-126-933-11		100UF	20.00% 16V
						C4031	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
						00				

REF. NO.	PART.NO	DESCRIPTIO	N	REMAR	K	REF. NO.	PART.NO	DESCRIPTIO	N	REI	MARK
C4032	1-126-964-11	ELECT	10UF	20.00% 50	ī	C4084	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4033	1-126-933-11	ELECT	100UF	20.00% 16	7	C4085	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4034	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25%	<i>I</i>	C4086	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4035	1-126-964-11	ELECT	10UF	20.00% 50	I	C4088	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4036	1-126-964-11	ELECT	10UF	20.00% 50\	I	C4089	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C4039	1-126-964-11	ELECT	10UF	20.00% 50\	Į.	C4091	1-163-005-11	CERAMIC CHIP	470PF	10.00%	50V
C4040	1-164-004-11			10.00% 25%		C4092	1-163-005-11			10.00%	
C4041	1-164-004-11			10.00% 25\		C4093	1-163-021-91			10.00%	
C4042	1-164-004-11			10.00% 25\		C4261	1-137-194-81		0.47UF	5.00%	
C4043	1-164-004-11			10.00% 25\		C4262	1-136-165-00		0.1UF	5.00%	
C4044	1-164-004-11	CERAMIC CHIP	0 1mg	10.00% 25%	7	C4263	1-137-194-81	FTIM	0.47UF	5.00%	50V
C4044 C4045	1-164-004-11	CERAMIC CHIP		10.00% 25%		C4263	1-137-194-81		0.47UF		50V
C4045	1-164-004-11	CERAMIC CHIP		10.00% 25\		C4265	1-137-194-01		0.470F	5.00%	50V
C4046 C4047	1-164-004-11			10.00% 25%		C4265	1-137-366-11		0.0022UF	5.00%	
C4047	1-164-004-11			10.00% 25%		C4266 C4267	1-136-169-00		0.00220F	5.00%	
C4040	1-104-004-11	CERAMIC CHIP	0.101	10.00% 25%	,	C4207	1-130-109-00	rim	0.2201	3.00%	301
C4049	1-163-035-00	CERAMIC CHIP		50\		C4268	1-136-169-00		0.22UF	5.00%	
C4050	1-163-035-00	CERAMIC CHIP		507		C4271	1-126-952-11		1000UF	20.00%	
C4051	1-163-035-00	CERAMIC CHIP		507		C4272	1-126-952-11		1000UF	20.00%	
C4052	1-163-035-00	CERAMIC CHIP		507		C4273	1-101-005-00	CERAMIC	0.022UF		50V
C4053	1-163-035-00	CERAMIC CHIP	0.047UF	507	I		< CONNECT	OR >			
C4054	1-163-035-00	CERAMIC CHIP	0.047UF	507	1			•••			
C4055	1-164-004-11			10.00% 25%		CN4001	*1-770-747-11	CONNECTOR. B	OARD TO BOAR	RD 12P	
C4056	1-164-004-11			10.00% 25%		CN4002	1-695-299-11	,			
C4057	1-164-004-11			10.00% 25%		CN4204	*1-564-507-11	•			
C4058	1-164-004-11			10.00% 25%		CN4205	1-785-802-11			3) 20P	
						CN4206	*1-564-511-11			,	
C4059	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25\	<i>I</i>						
C4060	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	I	CN4407	*1-564-511-11	PLUG, CONNEC	TOR 8P		
C4061	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	I	CN4604	*1-564-509-11	PLUG, CONNEC	TOR 6P		
C4062	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25\	I	CN4901	*1-564-508-11	PLUG, CONNEC	TOR 5P		
C4063	1-126-959-11	ELECT	0.47UF	20.00% 50\	<i>I</i>		∠ COMPOST	MION CIRCUITM	DI OCK N		
C4064	1-126-964-11	ELECT	10UF	20.00% 50V	ī		/ COMPOSI	TION CIRCUIT	DIOCK >		
C4065	1-126-959-11	ELECT	0.47UF	20.00% 50%	7	CP4001	8-598-515-00	RF SPLITTER	RFD-AC401		
C4066	1-126-959-11		0.47UF	20.00% 50\							
C4067	1-126-959-11		0.47UF	20.00% 50\			< DIODE >				
C4068	1-126-960-11		1UF	20.00% 50\							
C4060	1_106 060 11	DI DOM	111111111111111111111111111111111111111	20 000 50	7	D4002	8-719-812-43				
C4069	1-126-960-11		1UF	20.00% 507		D4004	8-719-929-15				
C4070	1-126-960-11		1UF	20.00% 507		D4005	8-719-991-33				
C4071	1-126-960-11		1UF	20.00% 507		D4006	8-719-929-15				
C4072	1-126-960-11		1UF	20.00% 507		D4007	8-719-929-15	TODE WIZ1-I	-11-9.1B		
C4073	1-126-933-11	ELECT	100UF	20.00% 16\	1	D4008	8-719-929-15	DIODE MTZJ-T	-77-9.1B		
C4074	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50\	I	D4009	8-719-929-15				
C4077	1-163-021-91			10.00% 50%		D4010	8-719-929-15				
C4078	1-126-933-11		100UF	20.00% 16\		D4010 D4011	8-719-110-31				
C4079	1-163-021-91			10.00% 50		D4012	8-719-982-27				
C4080	1-163-021-91			10.00% 50%			J .30 000 E/	1	300		
						D4013	8-719-991-33	DIODE 1SS133	T-77		
C4081	1-126-933-11	ELECT	100UF	20.00% 16	1	D4014	8-719-109-69	DIODE MTZJ-T	-77-3.6B		
C4083	1-125-943-21	FILM	0.22UF	5.00% 507	I	D4015	8-719-109-85	DIODE MTZJ-T	-77-5.1B		



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPT	ION		REMARK
D4016	8-719-109-85	DIODE MTZJ-T-77-5.1B			< SOCKET	>			
D4018	8-719-109-85	DIODE MTZJ-T-77-5.1B							
D4019	8-719-923-60	DIODE MTZJ-T-77-9.1		J4001	*1-793-200-11	CONNECTOR.	SOUARE 7	YPE 21	P
D4020	8-719-109-85			*****	- /00 -00	•••••			-
D4021		DIODE MTZJ-T-77-5.1B			< COIL >				
D4021	0-719-109-00	DIODE M120-1-77-5.1B			/ COIT >				
D4260	8-719-109-72	DIODE MTZJ-T-77-3.9B		L4001	1-408-603-31	INDUCTOR	10U	i	
				L4002	1-410-645-31	INDUCTOR	1000	H	
	< FERRITE	BEAD >		L4005	1-410-645-31	INDUCTOR	1000	H	
				L4006	1-410-667-31	INDUCTOR	22UI		
FB4001	1-414-232-22	INDUCTOR OUH		L4010	1-410-645-31	INDUCTOR	1000	Ή	
FB4002	1-414-232-22	INDUCTOR OUH							
FB4003	1-414-232-22	INDUCTOR OUH			< TRANSIS	STOR >			
FB4004	1-414-232-22								
FB4005	1-414-232-22			Q4001	1-801-806-11	TRANSTSTOR	DTC144EF	Σ-T146	
.54005	1 414 252 22	INDUCTOR CON		Q4004	1-801-806-11				
FB4006	1-414-232-22	INDUCTOR OUH		Q4004 Q4005	8-729-026-49				
				1 -	8-729-026-49				= -
FB4007	1-414-232-22			Q4007					
FB4008	1-414-232-22			Q4008	8-729-120-28	TRANSISTOR	2SC2412F	T-146	-к
FB4009	1-414-232-22				4 004 000 11				
FB4012	1-414-232-22	INDUCTOR OUH		Q4009	1-801-806-11				
				Q4010	8-729-120-28				
FB4013	1-414-232-22	INDUCTOR OUH		Q4011	8-729-026-49	TRANSISTOR	2SA1037	K-T146	-R
B4014	1-414-232-22	INDUCTOR OUH		Q4260	8-729-029-94	TRANSISTOR	DTC143TS	A-TP	
B4015	1-414-232-22	INDUCTOR OUH		Q4261	8-729-119-78	TRANSISTOR	2SC17405	-RT	
FB4016	1-414-232-22	INDUCTOR OUH							
FB4018	1-414-232-22	INDUCTOR OUH			< RESISTO)R >			
FB4019	1-414-232-22	INDUCTOR OUH		JR4002	1-216-295-11	SHORT	0		
FB4020	1-414-232-22			JR4003	1-216-295-11		0		
FB4021	1-414-232-22			JR4007	1-216-295-11		0		
FB4022	1-414-232-22			JR4008	1-216-295-11		0		
FB4025	1-414-232-22			JR4009	1-216-295-11		0		
	1 111 101 11	1.1500101.		01/1005	1 110 130 11	DIIONI	•		
FB4026	1-414-232-22	INDUCTOR OUH		JR4010	1-216-295-11	SHORT	0		
FB4027	1-414-232-22	INDUCTOR OUH							
FB4028	1-414-232-22	INDUCTOR OUH		R4002	1-216-295-11	SHORT	0		
B4030	1-412-911-11			R4004	1-216-049-11		1K	5%	1/10W
FB4031	1-412-911-11			R4005	1-216-073-00		10K	5%	1/10W
	12 /11 11			R4005	1-216-073-00		10K	5%	1/10W
FB4032	1-412-911-11	FERRITE OUH		R4007	1-216-025-11		100	5%	1/10W
FB4032	1-412-911-11			1,4007	1 210-025-11	THE CHIL	100	J 0	1/ 1VH
FB4034	1-412-911-11			R4008	1-216-073-00	מדט_מדח	1 A 🗹	5%	1/10W
£04034	1-412-311-11	LEKKIIE UUN		1			10K		
				R4009	1-216-085-00		33K	5% 5°	1/10W
	< IC >			R4011	1-216-049-11		1K	5% 5°	1/10W
	A === -:			R4012	1-216-025-11		100	5% •••	1/10W
IC4001	8-759-587-04			R4013	1-216-025-11	RES-CHIP	100	5%	1/10W
IC4002	8-759-587-03								
C4003	8-752-087-76	IC CXA2089Q-T6		R4014	1-216-295-11	SHORT	0		
IC4004	8-759-585-29	IC TDA7264A		R4015	1-216-025-11	RES-CHIP	100	5%	1/10W
IC4005	8-752-072-94	IC CXA1875AM-T4		R4016	1-216-025-11	RES-CHIP	100	5%	1/10W
				R4017	1-216-049-11		1K	5%	1/10W
IC4006	8-759-648-19	IC TYA7809CTV		R4018	1-216-073-00		10K	5%	1/10W
IC4007		IC KA78R33-YDTU							, =
IC4007	8-759-057-06			R4019	1-216-025-11	RES-CHID	100	5%	1/10W
	0 ,00 001 00			1,4013	050 II	CHIE	T00	- 0	-/ -VII
IC4009	8-759-230-25	IC TC74HC4066AF(EL)		R4020	1-216-025-11	BES-CUID	100	5%	1/10W





REF. NO.	PART.NO	DESCRIPT	ION		REMARK	REF. NO	. PART.NO	DESCRIPT	ION		MARK	
R4024	1-216-049-11	RES-CHIP	1K	5%	1/10W	R4118	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4025	1-216-022-00	RES-CHIP	75	5%	1/10W	R4120	1-216-025-11	RES-CHIP	100	5%	1/10W	
R4026	1-216-022-00	RES-CHIP	75	5%	1/10W	R4121	1-216-025-11	RES-CHIP	100	5%	1/10W	ı
R4027	1-216-022-00	RES-CHIP	75	5%	1/10W	R4122	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4029	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4123	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4033	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R4124	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4035	1-216-113-00	RES-CHIP	470K	5%	1/10W	R4125	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4036	1-216-022-00	RES-CHIP	75	5%	1/10W	R4126	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4044	1-216-022-00	RES-CHIP	75	5%	1/10W	R4127	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4046	1-216-113-00	RES-CHIP	470K	5%	1/10W	R4128	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4047	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4129	1-216-295-11	SHORT	0			
R4048	1-216-022-00	RES-CHIP	75	5%	1/10W	R4130	1-216-295-11	SHORT	0			
R4052	1-216-295-11	SHORT	0			R4131	1-216-073-00	RES-CHIP	10K	5%	1/10W	Ī
R4053	1-216-295-11	SHORT	0			R4132	1-216-073-00	RES-CHIP	10K	5%	1/10W	ī
R4054	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R4140	1-216-073-00	RES-CHIP	10K	5%	1/10W	Ī
R4055	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R4141	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	ī
R4056	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R4143	1-216-113-00	RES-CHIP	470K	5%	1/10W	Ī
R4057	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R4144	1-216-033-00	RES-CHIP	220	5%	1/10W	Ī
R4058	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R4199	1-216-025-11	RES-CHIP	100	5%	1/10W	Ī
R4059	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R4260	1-216-295-11	SHORT	0			
R4072	1-216-022-00	RES-CHIP	75	5%	1/10W	R4261	1-249-413-11	CARBON	470	5%	1/4W	
R4073	1-216-113-00	RES-CHIP	470K	5%	1/10W	R4262	1-249-421-11	CARBON	2.2K	5%	1/4W	
R4075	1-216-041-00	RES-CHIP	470	5%	1/10W	R4263	1-249-434-11	CARBON	27K	5%	1/4W	
R4077	1-216-295-11	SHORT	0			R4264	1-249-425-11	CARBON	4.7K	5%	1/4W	
R4078	1-216-113-00	RES-CHIP	470K	5%	1/10W	R4265	1-249-429-11	CARBON	10K	5%	1/4W	
R4081	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4266	1-249-424-11	CARBON	3.9K	5%	1/4W	
R4082	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4267	1-212-849-00	FUSIBLE	4.7	5%	1/4W	
R4084	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4268	1-212-849-00		4.7	5%	1/4W	
R4085	1-216-022-00		75	5%	1/10W	R4269	1-249-433-11		22K	5%	1/4W	
R4086	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4270	1-249-429-11	CARBON	10K	5%	1/4W	
R4087	1-216-022-00				1/10W		< TUNER	>				
R4088	1-216-061-00		3.3K		1/10W							
R4089	1-216-069-00		6.8K		1/10W	TU4001	8-598-572-00	FRONT END I	BTD-DU603	3		
R4090	1-216-073-00		10K	5%	1/10W							
R4091	1-216-295-11	SHORT	0			*A-1	632-909-A	A Board, C	omplet	е		
R4092	1-216-073-00	RES-CHIP	10K	5%	1/10W		1-750-797-11	SOCKET DIA	nc.			
R4093	1-216-295-11		0				4-352-844-01					
R4094	1-216-295-11	SHORT	0				. 552 044 01	, במחשו	J 111J			
R4095	1-216-073-00		10K	5%	1/10W		< CAPACI	TOR >				
R4096	1-216-089-11	RES-CHIP	47K	5%	1/10W							
R4097	1-216-073-00	RES-CHIP	10K	5%	1/10W	C1	1-163-038-11					25V
R4098	1-216-022-00		75	5% 5%	1/10W	C2	1-104-664-11		47UF		20.00%	
R4111	1-216-073-00		10K	5%	1/10W 1/10W	C3	1-163-104-00				5.00%	
R4111	1-216-073-00		10K	5%	1/10W	C4	1-163-104-00				5.00%	
R4112	1-216-073-00		10K	ეგ 5%	1/10W 1/10W	C8	1-163-038-11	CERAMIC CHI	IP 0.1UF			25V
******	1 210-075-00	-MD CHIE	IVI	J.0	·	C10	1-216-073-00	RES-CHIP	10K		5%	1/10W
R4116	1-216-073-00		10K	5%	1/10W	C15	1-163-021-91			?	10.00%	· ·
R4117	1-216-025-11	RES-CHIP	100	5%	1/10W	C18	1-163-038-11			-	_0.00	25V
						610	1 100 000 11	OLIGINIO OII	V.IOF			



REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK	REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK
C19	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	50V	C227	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C20	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C228	1-104-664-11	ELECT	47UF	20.00%	16V
C21	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C229	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C22	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C230	1-126-964-11	ELECT	10UF	20.00%	50V
C24	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	50V	C233	1-104-664-11	ELECT	47UF	20.00%	16V
C45	1-163-038-11	CERAMIC CHIP	0.1UF		25V	C238	1-104-664-11	ELECT	47UF	20.00%	16V
C80	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C239	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	50V
C81	1-126-959-11		0.47UF	20.00%	50V	C251	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	
C82	1-163-037-11	CERAMIC CHIP		10.00%		C252	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	
C90	1-163-038-11				25V	C253	1-163-251-11	CERAMIC CHIP		5.00%	
C101	1-163-038-11	CERAMIC CHIP	0.1UF		25V	C254	1-163-109-00	CERAMIC CHIP	47PF	5.00%	50V
C102	1-126-934-11		220UF	20.00%		C255	1-163-251-11	CERAMIC CHIP		5.00%	
C103	1-126-965-11		22UF	20.00%		C256	1-163-038-11	CERAMIC CHIP			25V
C104	1-163-251-11			5.00%		C257	1-126-965-11	ELECT	22UF	20.00%	
C110	1-104-664-11		47UF	20.00%		C258	1-126-964-11		10UF	20.00%	
C112	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	50V	C259	1-164-005-11	CERAMIC CHIP	0.47UF		25V
C113	1-104-664-11	ELECT	47UF	20.00%	16V	C260	1-163-038-11	CERAMIC CHIP	0.1UF		25V
C120	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C261	1-163-005-11	CERAMIC CHIP	470PF	10.00%	50V
C121	1-163-113-00	CERAMIC CHIP	68PF	5.00%	50V	C262	1-163-005-11	CERAMIC CHIP	470PF	10.00%	50V
C122	1-163-137-00	CERAMIC CHIP	680PF	5.00%	50V	C263	1-163-038-11	CERAMIC CHIP	0.1UF		25V
C123	1-163-113-00	CERAMIC CHIP	68PF	5.00%	50V	C264	1-126-963-11	ELECT	4.7UF	20.00%	50V
C124	1-163-038-11	CERAMIC CHIP	0.1UF		25V	C265	1-126-964-11	ELECT	10UF	20.00%	50V
C125	1-163-275-11			5.00%		C266	1-126-964-11	ELECT	10UF	20.00%	
C144	1-163-038-11				25V	C267	1-126-965-11	ELECT	22UF	20.00%	
C201	1-164-004-11			10.00%		C268	1-163-038-11				25V
C202	1-164-004-11	CERAMIC CHIP	0 1UF	10.00%	25V	C269	1-163-131-00	CERAMIC CHIP	390PF	5.00%	50V
C203	1-104-661-91		330UF	20.00%		C270	1-163-131-00	CERAMIC CHIP		5.00%	50V
C204	1-163-038-11				25V	C271	1-163-275-11	CERAMIC CHIP		5.00%	50V
C205	1-126-965-11		22UF	20.00%		C272	1-163-275-11	CERAMIC CHIP		5.00%	50V
C207	1-126-964-11		10UF	20.00%		C272		CERAMIC CHIP		5.00%	
C208	1-126-964-11		10UF	20.00%		C274		CERAMIC CHIP		5.00%	
C211	1-126-964-11		10UF	20.00%		C275		CERAMIC CHIP			16V
C212		CERAMIC CHIP			16V	C276		CERAMIC CHIP			16V
C213		CERAMIC CHIP		10.00%		C277		CERAMIC CHIP			16V
C214	1-164-346-11	CERAMIC CHIP	1UF		16V	C278	1-164-346-11	CERAMIC CHIP	1UF		16V
C215	1-163-005-11	CERAMIC CHIP	470PF	10.00%	50V	C279	1-126-965-11	ELECT	22UF	20.00%	50V
C216	1-104-664-11	ELECT	47UF	20.00%	16V	C280	1-163-038-11	CERAMIC CHIP	0.1UF		25V
C217	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%		C281	1-126-965-11		22UF	20.00%	50V
C218	1-104-664-11	ELECT	47UF	20.00%	16V	C282	1-163-038-11	CERAMIC CHIP	0.1UF		25V
C219	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C289	1-163-005-11	CERAMIC CHIP	470PF	10.00%	
C220	1-126-964-11	ELECT	10UF	20.00%	50V	C290	1-163-021-91	CERAMIC CHIP	0.01IIF	10.00%	50V
C221		CERAMIC CHIP			16V	C291	1-163-021-91			10.00%	
C222		CERAMIC CHIP			16V	C291 C292		CERAMIC CHIP		10.00%	
C222		CERAMIC CHIP		10.00%		C292 C293	1-163-005-11			10.006	16V
				IU.UU1						E 000	
C224	1-104-346-11	CERAMIC CHIP	TOF		16V	C294	1-163-141-00	CERAMIC CHIP	O. OULUF	5.00%	5UV
C225		CERAMIC CHIP	470PF	10.00%		C295	1-164-346-11				16V
C226	1-104-664-11	ELECT	47UF	20.00%	16V	C296	1-164-346-11	CERAMIC CHIP	1UF		16V



REF. NO.	PART.NO	DESCRIPTION	RE	MARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C300	1-163-109-00	CERAMIC CHIP 47PF	5.00%	50V	C353	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C301	1-163-038-11	CERAMIC CHIP 0.1U		25V	C354	1-164-005-11	CERAMIC CHIP 0.47UF	25V
C302	1-163-275-11	CERAMIC CHIP 0.001	UF 5.00%	50V	C355	1-126-965-11	ELECT 22UF	20.00% 50V
C303	1-163-275-11	CERAMIC CHIP 0.001	UF 5.00%	50V	C356	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C304	1-163-038-11	CERAMIC CHIP 0.1UI		25V	C357	1-163-267-91	CERAMIC CHIP 470PF	5.00% 50V
C305	1-163-038-11	CERAMIC CHIP 0.1U		25V	C358	1-164-005-11	CERAMIC CHIP 0.47UF	25V
C306	1-163-021-91	CERAMIC CHIP 0.010	F 10.00%	50V	C359	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
C307	1-163-021-91	CERAMIC CHIP 0.010	F 10.00%	50V	C360	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
C308	1-163-021-91	CERAMIC CHIP 0.010	F 10.00%	50V	C370	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C309	1-164-346-11	CERAMIC CHIP 1UF		16V	C371	1-163-275-11	CERAMIC CHIP 0.001UF	5.00% 50V
C310	1-164-346-11	CERAMIC CHIP 1UF		16V	C372	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C311	1-164-346-11	CERAMIC CHIP 1UF		16V	C373	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C312	1-164-505-11	CERAMIC CHIP 2.2U		16V	C534	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C313	1-163-275-11	CERAMIC CHIP 0.001	UF 5.00%	50V	C1001	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C315	1-216-295-11				C1002		CERAMIC CHIP 22PF	5.00% 50V
C317	1-163-038-11	CERAMIC CHIP 0.1U		25V	C1003	1-216-097-11	RES-CHIP 100K	5% 1/10W
C319	1-163-030-11				C1010	1-163-038-11	CERAMIC CHIP 0.1UF	25V
C320	1-103-017-00		20.00%		C1010	1-103-030-11		20.00% 50V
C321		CERAMIC CHIP 0.010			C1013		CERAMIC CHIP 0.1UF	25V 25V
C322		CERAMIC CHIP 0.022			C1015		CERAMIC CHIP 0.22UF	10.00% 16V
~~~	1 162 027 11	CEDANTS OUTD A ASS		E 077	G1000	1 164 400 11	CEDANTO CUITO A COUE	10 000 100
C323		CERAMIC CHIP 0.022			C1020	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
2324		CERAMIC CHIP 0.022	UF 10.00%				100 .	
C325	1-164-346-11			16V		< CONNECT	OR >	
C326	1-163-275-11					4 605 000 44		
C327	1-130-770-00	MYLAR 0.150	F 5.00%	63V	CN1 CN2		CONNECTOR, BOARD TO BOAR PLUG, CONNECTOR 5P	ID 50P
C328	1-126-965-11	ELECT 22UF	20.00%	50V	CN4	*1-568-879-11	PIN, CONNECTOR 4P	
C329	1-163-021-91	CERAMIC CHIP 0.010	F 10.00%	50V	CN5		TAB (CONTACT)	
C330	1-137-581-11			100V	CN6		TAB (CONTACT)	
2331	1-137-581-11						(	
C332		CERAMIC CHIP 0.010			CN201	1-766-296-21	CONNECTOR, DUAL SCART	
					CN204		PLUG, CONNECTOR 4P	
2333	1-126-933-11	ELECT 100U	20.00%	16V	CN205		PIN, CONNECTOR (WITH PWB	3) 20P
C334		CERAMIC CHIP 0.010			CN301		PIN, CONNECTOR 7P	,
2335		CERAMIC CHIP 0.1UI			CN303		PIN, CONNECTOR 5P	
2336		CERAMIC CHIP 0.00			5505	2 333 333 31	,	
2337		CERAMIC CHIP 0.003				< DIODE >		
2338	1-164-346-11	CERAMIC CHIP 1UF		16V	D2	8-719-988-61	DIODE 1SS355TE-17	
C339		CERAMIC CHIP 0.010	F 10.00%		D16		DIODE 1SS355TE-17	
C340	1-103-021-91				D30		DIODE 1SS355TE-17	
C341		CERAMIC CHIP 0.470		25V	D101		DIODE MA8330-TX	
C341		CERAMIC CHIP 0.476	Ľ	16V	D201		DIODE UDZS-TE17-9.1B	
				50				
C343		CERAMIC CHIP 0.004			D202		DIODE UDZS-TE17-9.1B	
C344		CERAMIC CHIP 100P			D203		DIODE UDZS-TE17-9.1B	
C347		CERAMIC CHIP 0.1U			D204		DIODE UDZS-TE17-9.1B	
C348		CERAMIC CHIP 470P			D205		DIODE UDZS-TE17-9.1B	
C350	1-126-964-11	ELECT 10UF	20.00%	50V	D206	8-719-069-60	DIODE UDZS-TE17-9.1B	
C351	1-164-505-11	CERAMIC CHIP 2.2UI		16V	D207	8-719-069-60	DIODE UDZS-TE17-9.1B	
C352		CERAMIC CHIP 0.470		25V	D208		DIODE UDZS-TE17-9.1B	
,,,,,,	T TO#-003-TI	CERCETT U.4/C	•	-J1	7200	0 113-003-00	7100E 00E3-1E1/-3.1D	



REF. NO.	PART.NO DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D209	8-719-069-60	DIODE UDZS-TE17-9.1B			< COIL >		
D210	8-719-069-60	DIODE UDZS-TE17-9.1B					
D211	8-719-069-60	DIODE UDZS-TE17-9.1B		L111	1-410-993-22	INDUCTOR 1UH	
D212	8-719-069-60	DIODE UDZS-TE17-9.1B		L120	1-408-602-31	INDUCTOR 8.2UH	
D213	8-719-069-60	DIODE UDZS-TE17-9.1B		L121	1-408-591-21	INDUCTOR 1UH	
				L122	1-408-602-31	INDUCTOR 8.2UH	
D214	8-719-069-60	DIODE UDZS-TE17-9.1B		L300	1-408-607-21	INDUCTOR 22UH	
D215	8-719-069-60	DIODE UDZS-TE17-9.1B					
D216	8-719-069-55	DIODE UDZS-TE17-5.6B			< TRANSIS	STOR >	
D217	8-719-069-55	DIODE UDZS-TE17-5.6B					
D218	8-719-069-55	DIODE UDZS-TE17-5.6B		Q1	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
				Q4	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
D220	8-719-988-61	DIODE 1SS355TE-17		Q15	8-729-026-49	TRANSISTOR 2SA1037AK-	T146-R
D221	8-719-988-61	DIODE 1SS355TE-17		Q30	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
D222		DIODE UDZS-TE17-9.1B		Q80		TRANSISTOR 2SC2412K-T	
D223		DIODE UDZS-TE17-9.1B		~			
D224		DIODE UDZS-TE17-9.1B		Q81	8-729-026-49	TRANSISTOR 2SA1037AK-	T146-R
	1 120 100 00			082	8-729-120-28		
D225	8-719-069-60	DIODE UDZS-TE17-9.1B		Q110	8-729-120-28		
D226		DIODE UDZS-TE17-9.1B		Q111		TRANSISTOR 2SA1037AK-	
D220 D227		DIODE DTZ-TT11-6.8C		Q111 Q112		TRANSISTOR 2SC2412K-T	
D251	8-719-977-13			*****	0 129 120-20	TAMOIDION EDCEMIENT	7-40 T/
D302		DIODE 1SS355TE-17		Q120	8-729-120-22	TRANSISTOR 2SC2412K-T	-146-R
5502	0-719-900-01	DIODE 1333331E-17		Q120 Q122	8-729-120-28		
202	0_710_060_55	DIODE UDZC_ME17_5 6D					
D303		DIODE UDZS-TE17-5.6B		Q140		TRANSISTOR 2SC2412K-T	
D304		DIODE UDZS-TE17-5.6B		Q141		TRANSISTOR 2SA1037AK-	
D320		DIODE UDZS-TE17-9.1B		Q201	5-729-120-28	TRANSISTOR 2SC2412K-T	-140-K
D331		DIODE UDZS-TE17-5.6B		0000	0 700 400 00	mnavoromon	146 B
D370	8-/19-047-16	DIODE BAS216		Q202		TRANSISTOR 2SC2412K-T	
n 40#	0 840 050 05	DEADE HOLD		Q203		TRANSISTOR 2SC2412K-T	
D401		DIODE UDZS-TE17-6.8B		Q204	8-729-120-28		
D402		DIODE 1SS355TE-17		Q205		TRANSISTOR 2SC2412K-T	
D1010	8-719-036-58	DIODE MA3030-H(TX)		Q206	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
	< FILTER	>		Q207	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
				Q211	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
FL101	1-236-071-11	ENCAPSULATED COMPONENT		Q300	1-801-806-11	TRANSISTOR DTC144EK-T	147
FL201	1-236-071-11	ENCAPSULATED COMPONENT		Q304	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
FL202	1-236-071-11	ENCAPSULATED COMPONENT		Q305	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
FL203		ENCAPSULATED COMPONENT		-			
FL1001		ENCAPSULATED COMPONENT		Q306	1-801-806-11	TRANSISTOR DTC144EK-T	147
				Q330		TRANSISTOR 2SA1037AK-	
	< IC >			Q331		TRANSISTOR 2SC2412K-T	
	. 20 /			Q332		TRANSISTOR 2SC2412K-T	
IC1	8-759-376-77	IC SDA30C263-GEG		Q332 Q333		TRANSISTOR 2SA1037AK-	
IC2		IC M24C64-WMN6T		2333	0 123 020 49	TIGHTOTOTON EDMINDIAN-	111V IV
IC3		IC M27C2001-15C1BD401		Q334	8-720-026-40	TRANSISTOR 2SA1037AK-	Ψ146-R
IC4		IC PST593C-MMP-4P		Q335		TRANSISTOR 2SA1037AK-	
IC201	0-132-081-26	IC CXA2040AQ-T4		Q401		TRANSISTOR 2SC2412K-T	
T0000	0 750 601 10	TO WORDS FOR DE 11		Q402		TRANSISTOR 2SC2412K-T	
IC202		IC MSP3452G-P5-A1		Q403	8-729-120-28	TRANSISTOR 2SC2412K-T	-146-R
IC205		IC PST593C-MMP-4P					
T0001	8-752-081-43	IC CXA2076Q-TL		Q404		TRANSISTOR 2SA1037AK-	
					0 700 000 40	TRANSISTOR 2SA1037AK-	=1 1 C S
IC301 IC302		IC TDA4665T/V5-118		Q405			
		IC TDA4665T/V5-118 IC SDA5273-3CP-C55-22-GEG		Q405 Q1001		TRANSISTOR DTC144EK-T	



REF. NO.	F. NO. PART.NO C		N		REMARK	REF. NO.	PART.NO	DESCRIPTION	DN		REMARK
	< RESISTO	OR >				R60	1-216-025-11	RES-CHIP	100	5%	1/10W
						R61	1-216-025-11	RES-CHIP	100	5%	1/10W
JR7	1-216-295-11	SHORT	0			R62	1-216-025-11	RES-CHIP	100	5%	1/10W
JR101	1-216-295-11	SHORT	0			R63	1-216-025-11	RES-CHIP	100	5%	1/10W
JR201	1-216-295-11	SHORT	0			R64	1-216-025-11	RES-CHIP	100	5%	1/10W
JR204	1-216-295-11	SHORT	0								·
JR205	1-216-295-11		0			R65	1-216-025-11	RES-CHIP	100	5%	1/10W
						R66	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
JR207	1-216-295-11	SHORT	0			R67	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
JR208	1-216-295-11	SHORT	0			R68	1-216-049-11	RES-CHIP	1K	5%	1/10W
JR209	1-216-022-00		75	5%	1/10W	R69	1-216-049-11		1K	5%	1/10W
JR213	1-216-025-11		100	5%	1/10W	1.00				•	-,
JR214	1-216-025-11		100	5%	1/10W	R70	1-216-025-11	RES-CHIP	100	5%	1/10W
UNZIT	1 210 025 11	NEO CHII	100	J 0	1/1011	R71	1-216-025-11		100	5%	1/10W
JR215	1-216-025-11	DEC_CUTD	100	5%	1/10W	R72	1-216-025-11		100	5%	1/10W
				ეზ 5%							
JR216	1-216-025-11		100	28	1/10W	R73	1-216-025-11		100	5% 5°	1/10W
JR391	1-216-295-11		0			R74	1-216-025-11	KE2-CHIP	100	5%	1/10W
JR1010	1-216-295-11	SHORT	0			577	1 044 005 41	DEG 2005	400	F.0	1 /1 0**
						R75	1-216-025-11		100	<b>5</b> %	1/10W
R1	1-216-049-11		1K	5%	1/10W	R76	1-216-025-11		100	5%	1/10W
R2	1-216-025-11		100	5%	1/10W	R77	1-216-025-11		100	5%	1/10W
R3	1-216-025-11		100	5%	1/10W	R78	1-414-233-22		OUH		
R4	1-216-013-00	RES-CHIP	33	5%	1/10W	R79	1-216-033-00	RES-CHIP	220	5%	1/10W
R5	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
						R80	1-216-049-11	RES-CHIP	1K	5%	1/10W
R7	1-216-041-00	RES-CHIP	470	5%	1/10W	R81	1-216-081-00	RES-CHIP	22K	5%	1/10W
R9	1-216-041-00	RES-CHIP	470	5%	1/10W	R82	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R19	1-216-025-11	RES-CHIP	100	5%	1/10W	R83	1-216-073-00	RES-CHIP	10K	5%	1/10W
R20	1-216-025-11	RES-CHIP	100	5%	1/10W	R84	1-216-081-00	RES-CHIP	22K	5%	1/10W
R21	1-216-025-11	RES-CHIP	100	5%	1/10W						
					•	R85	1-216-073-00	RES-CHIP	10K	5%	1/10W
R22	1-216-025-11	RES-CHIP	100	5%	1/10W	R86	1-216-081-00	RES-CHIP	22K	5%	1/10W
R24	1-216-065-91		4.7K		1/10W	R87	1-216-081-00	RES-CHIP	22K	5%	1/10W
R25	1-216-065-91		4.7K		1/10W	R88	1-216-025-11	RES-CHIP	100	5%	1/10W
R26	1-216-065-91		4.7K		1/10W	R89	1-216-025-11		100	5%	1/10W
R28	1-216-065-91		4.7K		1/10W	103	1 210 025 11	KES CHIE	100	J.0	1/10#
NZ 0	1-210-005-91	KES-CHIP	4.71	J.º	1/104	R91	1-216-025-11	DEC_CUID	100	5%	1/10W
R29	1 216 065 01	DEC CUID	4 7v	E 0.	1 /1 017		1-216-025-11			ა 5%	1/10W
	1-216-065-91		4.7K		1/10W	R92			100		
R30	1-216-065-91		4.7K		1/10W	R93	1-216-033-00		220	5% =°	1/10W
R31	1-216-065-91		4.7K		1/10W	R94	1-216-033-00		220	5% E0	1/10W
R32	1-216-025-11		100	5% 5°	1/10W	R95	1-216-033-00	RES-CHIP	220	5%	1/10W
R33	1-216-025-11	RES-CHIP	100	5%	1/10W		4 040 04- 4-	BBA ****		<b>.</b>	4 /4 0
						R99	1-216-065-91		4.7K		1/10W
R34	1-216-025-11		100	5%	1/10W	R101	1-216-057-00		2.2K		1/10W
R35	1-216-025-11		100	5%	1/10W	R102	1-216-025-11		100	5%	1/10W
R39	1-216-073-00		10K	5%	1/10W	R103	1-216-025-11		100	5%	1/10W
R46	1-216-095-00	RES-CHIP	82K	5%	1/10W	R104	1-216-073-00	RES-CHIP	10K	5%	1/10W
R48	1-216-121-11	RES-CHIP	1M	5%	1/10W						
						R105	1-216-113-00	RES-CHIP	470K	5%	1/10W
R49	1-216-025-11	RES-CHIP	100	5%	1/10W	R106	1-216-073-00	RES-CHIP	10K	5%	1/10W
R50	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R110	1-216-073-00	RES-CHIP	10K	5%	1/10W
R51	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R111	1-216-029-00	RES-CHIP	150	5%	1/10W
R54	1-216-025-11		100	5%	1/10W	R112	1-216-029-00		150	5%	1/10W
R58	1-216-057-00		2.2K		1/10W				•		•
	, , , , , , , , , , , , , , , , ,				-,	R113	1-216-001-00	RES-CHTP	10	5%	1/10W
R59	1-216-025-11	RES-CHIP	100	5%	1/10W	R114	1-216-029-00		150	5%	1/10W
1103	1 210 025 11			50	-/ -/ 1	*/***	1 210 023 00		130	50	-/ -/11



REF. NO.	PART.NO	DESCRIPTION	ON		REMARK	REF. NO.	PART.NO	DESCRIPTION	N		REMARK
R115	1-216-033-00	RES-CHIP	220	5%	1/10W	R219	1-216-113-00	RES-CHIP	470K	5%	1/10W
R116	1-216-025-11	RES-CHIP	100	5%	1/10W	R220	1-216-295-11	SHORT	0		
R117	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R221	1-216-041-00	RES-CHIP	470	5%	1/10W
R118	1-216-097-11	RES-CHIP	100K	5%	1/10W	R222	1-216-089-11	RES-CHIP	47K	5%	1/10W
R120	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	R223	1-216-295-11	SHORT	0		
R121	1-216-073-00	RES-CHIP	10K	5%	1/10W	R224	1-216-041-00	RES-CHIP	470	5%	1/10W
R122	1-216-041-00		470	5%	1/10W	R225	1-216-089-11		47K	5%	1/10W
R123	1-216-031-00		180	5%	1/10W	R226	1-216-033-00		220	5%	1/10W
R124	1-216-049-11		1K	5%	1/10W	R227	1-216-022-00	RES-CHIP	75	5%	1/10W
R125	1-216-081-00	RES-CHIP	22K	5%	1/10W	R228	1-216-022-00	RES-CHIP	75	5%	1/10W
D106	1 016 005 11	DEG GUID	100	E0	1 /1 013	7000	1 016 022 00	DEG CUID	220	E0.	1 /1 017
R126	1-216-025-11		100	5% <b>-</b> ∘	1/10W	R229	1-216-033-00	RES-CHIP	220	5% = °	1/10W
R127	1-216-081-00	RES-CHIP	22K	5% 5°	1/10W	R230	1-216-022-00	RES-CHIP	75 100	5% =°	1/10W
R128	1-216-035-00	RES-CHIP	270	<b>5</b> %	1/10W	R232	1-216-025-11	RES-CHIP	100	5% 	1/10W
R129	1-216-033-00	RES-CHIP	220	5%	1/10W	R233	1-216-025-11		100	5%	1/10W
R130	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R234	1-216-113-00	RES-CHIP	470K	5%	1/10W
R131	1-216-073-00	RES-CHIP	10K	5%	1/10W	R235	1-216-025-11	RES-CHIP	100	5%	1/10W
R132	1-216-025-11	RES-CHIP	100	5%	1/10W	R236	1-216-113-00	RES-CHIP	470K	5%	1/10W
R133	1-216-041-00	RES-CHIP	470	5%	1/10W	R237	1-216-295-11	SHORT	0		
R134	1-216-001-00		10	5%	1/10W	R238	1-216-089-11		47K	5%	1/10W
R135	1-216-037-00	RES-CHIP	330	5%	1/10W	R239	1-216-041-00		470	5%	1/10W
R136	1-216-033-00	RES-CHIP	220	5%	1/10W	R240	1-216-295-11	SHORT	0		
R137	1-216-033-00		220 1K	ეა 5%	1/10W 1/10W	R240	1-216-293-11		47K	5%	1/10W
				ეგ 5%	1/10W 1/10W		1-216-089-11			วช 5%	1/10W 1/10W
R138	1-216-041-00		470			R242		RES-CHIP	470		
R144	1-216-081-00		22K	5% ₌∘.	1/10W	R243	1-216-033-00	RES-CHIP	220	5%	1/10W
R145	1-216-049-11	KES-CHIP	1K	5%	1/10W	R244	1-216-295-11	5HUKT	0		
R146	1-216-049-11	RES-CHIP	1K	5%	1/10W	R245	1-216-022-00	RES-CHIP	75	5%	1/10W
R147	1-216-033-00	RES-CHIP	220	5%	1/10W	R246	1-216-041-00	RES-CHIP	470	5%	1/10W
R148	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R247	1-216-049-11	RES-CHIP	1K	5%	1/10W
R149	1-216-049-11		1K	5%	1/10W	R248	1-216-073-00	RES-CHIP	10K	5%	1/10W
R150	1-216-061-00		3.3K		1/10W	R249	1-216-001-00		10	5%	1/10W
R151	1-216-025-11	RES-CHID	100	5%	1/10W	R250	1-216-073-00	RES-CHID	10K	5%	1/10W
R153	1-216-025-11		0	J.0	1/ 1011	R251	1-216-075-00		100	ა 5%	1/10W 1/10W
				E0	1 /1 OW						
R200	1-216-049-11		1K	5% ⊑∘.	1/10W	R252	1-216-025-11		100	5% <b>5</b> %	1/10W
R203	1-216-025-11 1-216-025-11		100	5% 5%	1/10W	R253	1-216-025-11		100	5% 5°	1/10W
R204	1-710-072-11	VED-CUIL	100	Jf	1/10W	R254	1-216-025-11	VE9-CUIL	100	5%	1/10W
R205	1-216-081-00		22K	5%	1/10W	R255	1-216-025-11		100	5%	1/10W
R206	1-216-033-00	RES-CHIP	220	5%	1/10W	R256	1-216-025-11	RES-CHIP	100	5%	1/10W
R208	1-216-041-00	RES-CHIP	470	5%	1/10W	R257	1-216-011-00	RES-CHIP	27	5%	1/10W
R209	1-216-182-00	RES-CHIP	220	5%	1/8W	R258	1-216-049-11	RES-CHIP	1K	5%	1/10W
R210	1-216-011-00	RES-CHIP	27	5%	1/10W	R262	1-216-049-11	RES-CHIP	1K	5%	1/10W
R211	1-216-033-00	RES-CHIP	220	5%	1/10W	R263	1-216-081-00	RES-CHIP	22K	5%	1/10W
R212	1-216-022-00		75	5% 5%	1/10W	R264	1-216-089-11		47K	5%	1/10W
R213	1-216-022-00		75	5%	1/10W	R265	1-216-065-91		4.7K		1/10W 1/10W
R214	1-216-025-11		100	5%	1/10W	R266	1-412-002-31		4.7K		-/
R214 R216	1-216-025-11		100	5% 5%	1/10W 1/10W	R260 R267	1-412-002-31		4.70H		
											4.14.4
		DEG GUID	470K	52	1/10W	R268	1-216-089-11	DEC_CUID	47K	5%	1/10W
R217 R218	1-216-113-00 1-216-025-11		100	5%	1/10W	R269	1-216-081-00		22K	5%	1/10W 1/10W



REF. NO.	PART.NO	DESCRIPTIO	ON		REMARK	REF. NO.	PART.NO	DESCRIPTION	I		REMARK
R270	1-216-022-00	RES-CHIP	75	5%	1/10W	R330	1-216-025-11	RES-CHIP	100	5%	1/10W
R271	1-216-022-00	RES-CHIP	75	5%	1/10W	R331	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R272	1-216-022-00	RES-CHIP	75	5%	1/10W	R332	1-216-025-11	RES-CHIP	100	5%	1/10W
R273	1-216-022-00	RES-CHIP	75	5%	1/10W	R333	1-216-075-00	RES-CHIP	12K	5%	1/10W
R278	1-216-041-00	RES-CHIP	470	5%	1/10W	R334	1-216-041-00	RES-CHIP	470	5%	1/10W
R279	1-216-022-00	RES-CHIP	75	5%	1/10W	R335	1-216-675-91	METAL CHIP	10K	0.5%	1/10W
R280	1-216-049-11	RES-CHIP	1K	5%	1/10W	R336	1-216-109-00	RES-CHIP	330K	5%	1/10W
R281	1-216-081-00	RES-CHIP	22K	5%	1/10W	R337	1-216-025-11	RES-CHIP	100	5%	1/10W
R282	1-216-089-11	RES-CHIP	47K	5%	1/10W	R338	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R283	1-216-049-11	RES-CHIP	1K	5%	1/10W	R339	1-216-049-11	RES-CHIP	1K	5%	1/10W
R284	1-216-081-00	RES-CHIP	22K	5%	1/10W	R340	1-216-025-11	RES-CHIP	100	5%	1/10W
R285	1-216-089-11		47K	5%	1/10W	R341	1-216-025-11		100	5%	1/10W
R286	1-216-049-11		1K	5%	1/10W	R342	1-216-049-11		1K	5%	1/10W
R288	1-216-081-00	RES-CHIP	22K	5%	1/10W	R343	1-216-061-00	RES-CHIP	3.3K		1/10W
R289	1-216-089-11		47K	5%	1/10W	R344	1-216-067-00	RES-CHIP	5.6K		1/10W
			4.0-								
R291	1-216-049-11		1K	5%	1/10W	R345	1-216-025-11		100	5%	1/10W
R292	1-216-049-11		1K	5% 	1/10W	R346	1-216-065-91		4.7K	5% 	1/10W
R293	1-216-049-11		1K	5%	1/10W	R347	1-216-025-11		100	5%	1/10W
R294	1-216-049-11		1K	5%	1/10W	R348	1-216-025-11		100	5%	1/10W
R295	1-216-049-11	RES-CHIP	1K	5%	1/10W	R349	1-216-025-11	RES-CHIP	100	5%	1/10W
R296	1-216-049-11	RES-CHIP	1K	5%	1/10W	R350	1-216-042-00	RES-CHIP	510	5%	1/10W
R297	1-216-022-00	RES-CHIP	75	5%	1/10W	R351	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R298	1-216-025-11	RES-CHIP	100	5ક	1/10W	R352	1-216-077-91	RES-CHIP	15K	5%	1/10W
R299	1-216-049-11	RES-CHIP	1K	5%	1/10W	R353	8-719-058-24	DIODE RB501V-	40TE-1	.7	
R300	1-216-025-11	RES-CHIP	100	5%	1/10W	R354	1-216-295-11	SHORT	0		
R301	1-216-033-00	RES-CHIP	220	5%	1/10W	R357	1-216-049-11	RES-CHIP	1K	5%	1/10W
R302	1-216-295-11	SHORT	0			R358	1-216-295-11	SHORT	0		
R303	1-216-295-11	SHORT	0			R359	1-216-097-11	RES-CHIP	100K	5%	1/10W
R308	1-216-025-11	RES-CHIP	100	5%	1/10W	R360	1-216-049-11	RES-CHIP	1K	5%	1/10W
R309	1-216-033-00	RES-CHIP	220	5%	1/10W	R362	1-216-049-11	RES-CHIP	1K	5%	1/10W
R310	1-216-033-00	RES-CHIP	220	5%	1/10W	R364	1-216-049-11	RES-CHIP	1K	5%	1/10W
R311	1-216-295-11		0	<b>J</b> 0	-/ 4411	R370	1-216-295-11		0	J 0	-/ ±VII
R312	1-216-295-11		0			R401	1-216-033-00		220	5%	1/10W
R314	1-216-295-11		0			R402	1-216-033-00		220 1K	ე _ზ 5%	1/10W 1/10W
R315	1-216-295-11		0			R402	1-216-049-11		4.7K		1/10W
D21.C	1 216 222 22	DEC CUID	200	E 0	1 /101	D404	1 016 000 00	DEC CUID	777	EO	1 /101
R316	1-216-033-00		220	5% = 0	1/10W	R404	1-216-083-00		27K	5% = 0	1/10W
R318	1-216-089-11		47K	5% = 0	1/10W	R405	1-216-073-00		10K	5% =0	1/10W
R319	1-216-081-00		22K	5% = 0	1/10W	R406	1-216-073-00		10K	5% = 0	1/10W
R320	1-216-025-11		100	5% = 0	1/10W	R407	1-216-073-00		10K	5% =0	1/10W
R321	1-216-025-11	RES-CHIP	100	5%	1/10W	R408	1-216-049-11	RES-CHIP	1K	5%	1/10W
R322	1-216-025-11		100	5%	1/10W	R409	1-216-049-11		1K	5%	1/10W
R323	1-216-033-00	RES-CHIP	220	5%	1/10W	R410	1-216-049-11	RES-CHIP	1K	5%	1/10W
R324	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R411	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R326	1-216-025-11	RES-CHIP	100	5%	1/10W	R1001	1-216-025-11	RES-CHIP	100	5%	1/10W
R327	1-216-025-11	RES-CHIP	100	5%	1/10W	R1002	1-216-025-11	RES-CHIP	100	5%	1/10W
R328	1-216-129-00	RES-CHIP	2.2M	5%	1/10W	R1005	1-216-041-00	RES-CHIP	470	5%	1/10W
R329	1-216-083-00			5%	1/10W	R1010	1-216-295-11		0		
-					•	1	<del></del>	_			



The components identified by shading and marked  $\Delta$  are critical for safety Replace only with the part number specified.

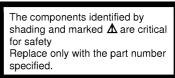
REF. NO.	PART.NO	DESCRIPT	10N	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		REMAI	RK
1012	1-216-041-00	RES-CHIP	470 59	1/10W		< CONNECT	OR >				
1014	1-216-065-91	RES-CHIP	4.7K 59	1/10W							
1017	1-216-295-11	SHORT	0	•	CN701	*1-568-882-51	PIN, CONNEC	TOR 7P			
1021	1-216-025-11	RES-CHIP	100 59	1/10W	CN703	1-778-037-11	PIN, CONNEC	TOR 6P			
1022	1-216-025-11	RES-CHIP	100 59		CN706	1-695-915-11					
				•	CN708	1-695-915-11					
1023	1-216-025-11	RES-CHIP	100 59	1/10W			`	•			
1024	1-216-041-00	RES-CHIP	470 59			< DIODE >					
1026	1-216-025-11	RES-CHIP	100 59								
1027	1-216-025-11	RES-CHIP	100 59		D701	8-719-109-85	DIODE MTZJ-	T-77-5.1	.B		
1028	1-216-025-11	RES-CHIP	100 59	1/10W	D704	8-719-991-33	DIODE 1SS13	3T-77			
				•	D705	8-719-991-33	DIODE 1SS13	3T-77			
	< TUNER >	•			D707	8-719-991-33	DIODE 1SS13	3T-77			
					709ם	8-719-051-85	DIODE HSS83	TD			
J101	1-693-339-21	TUNER/VIF (	(UK)								
					D710	8-719-051-85					
	< CRYSTAI	· >			D711	8-719-051-85					
					D712	8-719-908-03					
1	1-767-154-21	,			D713	8-719-109-72			В		
201	1-760-628-11				D714	8-719-991-33	DIODE 1SS13	3T-77			
301	1-567-504-11										
302	1-567-505-11					< IC >					
303	1-767-127-11	VIBRATOR, C	CERAMIC								
					IC701	8-759-346-42	_				
1001	1-579-965-21	VIBRATOR, C	CRYSTAL		IC702	8-759-346-42					
					IC703	8-759-346-42	IC TDA6101Q	/N3			
*A-163	38-126-A C	Board, C	omplete								
/\ 100		bourd, o	ompiete			< SOCKET	>				
7. 100	< CAPACIT		ompiete		J701						_
	< CAPACIT	OR >		20 00% 25V	J701 A	< SOCKET  1-526-990-21					
702	< CAPACIT	OR >	22UF	20.00% 25V	J701 A					-	
702 703	< CAPACIT 1-128-551-11 1-104-664-11	OR > ELECT ELECT	22UF 47UF	20.00% 10V	J701 .	△ 1-526-990-21				-	
702 703 704	< CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00	COR >  ELECT ELECT CERAMIC	22UF 47UF 8PF	20.00% 10V 0.50PF 50V	J701	△ 1-526-990-21	SOCKET, CRT	22UH			
702 703 704 705	< CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-945-00	ELECT ELECT CERAMIC CERAMIC	22UF 47UF 8PF 8PF	20.00% 10V 0.50PF 50V 0.50PF 50V		△ 1-526-990-21 < COIL >	SOCKET, CRT			_	
702 703 704 705	< CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00	ELECT ELECT CERAMIC CERAMIC	22UF 47UF 8PF	20.00% 10V 0.50PF 50V		△ 1-526-990-21 < COIL >	SOCKET, CRT				_
702 703 704 705 706	< CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-945-00	ELECT ELECT CERAMIC CERAMIC CERAMIC	22UF 47UF 8PF 8PF	20.00% 10V 0.50PF 50V 0.50PF 50V	1701	<pre>1-526-990-21</pre>	SOCKET, CRT INDUCTOR TOR >	22UH			
702 703 704 705 706	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00 1-107-651-11</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT	22UF 47UF 8PF 8PF 18PF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V		<pre>1-526-990-21</pre>	SOCKET, CRT INDUCTOR TOR >	22UH	⊾-QRS1	'A	
702 703 704 705 706	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT	22UF 47UF 8PF 8PF 18PF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 50V	1701	<pre>1-526-990-21</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR	22UH	1-QRS7	'A	
702 703 704 705 706 707 708 709	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 50V 50V	1701	<pre>1-526-990-21</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR	22UH	-QRSI	'A	
702 703 704 705 706 707 708 709 710	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT ELECT CERAMIC ELECT	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V	L701 Q701	<pre>COIL &gt;</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR :	22UH 2SA1309#	ı-QRST		
702 703 704 705 706 707 708 709 710	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT ELECT CERAMIC ELECT	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 50V 50V	L701 Q701 R701	<pre></pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR :  R >  CARBON	22UH 2SA1309# 100	ı-QRSI 5%	1/4W	
702 703 704 705 706 707 708 709 710	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11 1-107-651-11</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT ELECT ELECT ELECT	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V	L701 Q701 R701 R702	<pre></pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR :  CARBON CARBON	22UH 2SA1309A 100 1K	-	1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11 1-101-006-00</pre>	ELECT ELECT CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT ELECT CERAMIC ELECT ELECT ELECT	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 20.00% 250V	L701 Q701 R701	<pre></pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR :  CARBON CARBON	22UH 2SA1309# 100	5%	1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC ELECT CERAMIC ELECT	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 4.7UF 0.047UF 0.047UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V	L701 Q701 R701 R702	<pre></pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON	22UH 2SA1309A 100 1K	5% 5%	1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC ELECT CERAMIC ELECT CERAMIC CERAMIC CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 4.7UF 0.047UF 0.047UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 50V 50V 20.00% 250V 20.00% 250V 50V 50V 50V	L701 Q701 R701 R702 R703	<pre></pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL	22UH 2SA1309# 100 1K 47K	5% 5% 5% 1%	1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC ELECT CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 4.7UF 0.047UF 0.047UF 0.047UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 50V 50V	L701 Q701 R701 R702 R703 R704	<pre>T-526-990-21  &lt; COIL &gt;  1-410-667-31  &lt; TRANSIS  8-729-119-76  &lt; RESISTO  1-247-807-31 1-249-417-11 1-249-437-11 1-215-413-00</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL	22UH 2SA1309# 100 1K 47K 47K	5% 5% 5% 1%	1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC ELECT CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 4.7UF 0.047UF 0.047UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 50V 50V 20.00% 250V 20.00% 250V 50V 50V 50V	L701 Q701 R701 R702 R703 R704	<pre>T-526-990-21  &lt; COIL &gt;  1-410-667-31  &lt; TRANSIS  8-729-119-76  &lt; RESISTO  1-247-807-31 1-249-417-11 1-249-437-11 1-215-413-00</pre>	INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL CARBON	22UH 2SA1309A 100 1K 47K 470 100K	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716 717	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11 1-101-006-00 1-101-006-00 1-101-006-00 1-101-006-00 1-102-157-00 1-102-157-00</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT ELECT CERAMIC ELECT CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	22UF 47UF 8PF 8PF 18PF 1.7UF 1.0.047UF 4.7UF 0.047UF 0.047UF 0.047UF 560PF 560PF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 50V 10.00% 500V	L701  Q701  R701  R702  R703  R704  R705	<pre>COIL &gt;</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL CARBON LEAD, JUMPE	22UH 2SA1309A 100 1K 47K 470 100K	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716 717	<pre>&lt; CAPACIT 1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11 1-101-006-00 1-101-006-00 1-101-006-00 1-102-157-00 1-102-157-00 1-102-157-00</pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 1.7UF 0.047UF 4.7UF 4.7UF 0.047UF 0.047UF 0.047UF 560PF 560PF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 50V 10.00% 500V	L701  Q701  R701  R702  R703  R704  R705	<pre>COIL &gt;</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL CARBON LEAD, JUMPE METAL	22UH 2SA1309A 100 1K 47K 470 100K R (5.0MM	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716 717	CAPACIT  1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11 1-101-006-00 1-101-006-00 1-101-006-00 1-102-157-00 1-102-157-00 1-102-157-00 1-102-074-00	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT ELECT CERAMIC ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 0.047UF 0.047UF 560PF 560PF 0.001UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 10.00% 500V 10.00% 500V	L701  Q701  R701  R702  R703  R704  R705	<pre>COIL &gt;</pre>	SOCKET, CRT  INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON METAL CARBON LEAD, JUMPE: METAL METAL	22UH 2SA1309A 100 1K 47K 470 100K R (5.0MM 1.3K	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716 717	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 1.7UF 0.047UF 4.7UF 4.7UF 0.047UF 0.047UF 0.047UF 560PF 560PF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 50V 10.00% 500V 10.00% 500V 10.00% 500V 20.00% 250V	L701  Q701  R701  R702  R703  R704  R705  R706  R707  R708	COIL >  1-410-667-31  < TRANSIS  8-729-119-76  < RESISTO  1-247-807-31 1-249-417-11 1-249-437-11 1-215-413-00 1-249-441-11  1-535-465-11 1-215-424-00 1-215-424-00	INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL CARBON LEAD, JUMPE: METAL METAL METAL METAL	22UH 2SA1309A 100 1K 47K 470 100K R (5.0MM 1.3K 1.3K	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716 717 718 719 725	CAPACIT  1-128-551-11 1-104-664-11 1-102-945-00 1-102-953-00  1-107-651-11 1-126-960-11 1-101-006-00 1-107-651-11 1-101-006-00 1-101-006-00 1-101-006-00 1-102-157-00 1-102-157-00 1-102-157-00 1-102-074-00	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 0.047UF 0.047UF 560PF 560PF 0.001UF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 10.00% 500V 10.00% 500V	L701  Q701  R701  R702  R703  R704  R705  R706  R707  R708  R709  R710	<pre></pre>	INDUCTOR  TOR >  TRANSISTOR :  CARBON CARBON CARBON METAL CARBON LEAD, JUMPE: METAL METAL METAL METAL	22UH  2SA1309A  100 1K 47K 470 100K  R (5.0MM 1.3K 1.3K 470	5% 5% 5% 1% 5%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	
702 703 704 705 706 707 708 709 710 711 712 714 715 716 717 718 719 725	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 0.047UF 0.047UF 560PF 560PF 0.001UF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 50V 10.00% 500V 10.00% 500V 10.00% 500V 20.00% 250V	L701  Q701  R701  R702  R703  R704  R705  R706  R707  R708  R709  R710	<pre>COIL &gt;</pre>	INDUCTOR  TOR >  TRANSISTOR:  CARBON CARBON CARBON CARBON METAL CARBON LEAD, JUMPE METAL METAL METAL METAL METAL METAL METAL CARBON CARBON	22UH  2SA1309A  100 1K 47K 470 100K R (5.0MM 1.3K 1.3K 470 2.2K	5% 5% 5% 1% 5% 11% 11% 11% 11%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	
702 703	<pre></pre>	ELECT ELECT CERAMIC CERAMIC CERAMIC ELECT ELECT CERAMIC ELECT CERAMIC	22UF 47UF 8PF 8PF 18PF 4.7UF 1UF 0.047UF 4.7UF 0.047UF 0.047UF 560PF 560PF 0.001UF 4.7UF	20.00% 10V 0.50PF 50V 0.50PF 50V 5.00% 50V 20.00% 250V 20.00% 250V 20.00% 250V 50V 50V 50V 50V 10.00% 500V 10.00% 500V 10.00% 500V 20.00% 250V	L701  Q701  R701  R702  R703  R704  R705  R706  R707  R708  R709  R710	<pre></pre>	INDUCTOR  TOR >  TRANSISTOR :  CARBON CARBON CARBON METAL CARBON METAL METAL METAL METAL METAL METAL CARBON CARBON CARBON	22UH  2SA1309A  100 1K 47K 470 100K  R (5.0MM 1.3K 1.3K 470	5% 5% 5% 1% 5% 11% 11% 11% 15%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	

The components identified by shading and marked  $\triangle$  are critical for safety Replace only with the part number specified.





\$\frac{1}{2} \frac{1}{2} \f	. PART.NO DESCRIPTION REMARK		REF. NO.		PART.NO	DESC	RIPTION	RE	MARK						
R725	24	49-422-11	C	ARBON	2.7K	5%	1/4W		C2685		1-107-824-11	CERAMIC	220PF	5.00%	1KV
R725 1-215-903-11 METAL OXIDE 68K 58 2W C2805 1-102-937-00 CERAMIC 68PF 11 R727 1-215-903-11 METAL OXIDE 68K 58 2W C2805 1-102-937-00 CERAMIC 68PF 12 R728 1-215-903-11 METAL OXIDE 68K 58 2W C2805 1-102-937-00 CERAMIC 100PF 5 R729 1-225-903-11 METAL OXIDE 68K 58 2W C2806 1-136-437-11 FILM 0.004707 5 R732 1-202-818-00 SOLID 1K 20% 1/2W C2809 1-130-431-00 MITAR 0.04707 5 R732 1-202-818-00 SOLID 1K 20% 1/2W C2809 1-130-431-00 MITAR 0.04707 5 R733 1-202-818-00 SOLID 1K 20% 1/2W C2811 1-129-716-00 FILM 0.01507 5 R734 1-247-739-11 CARBON 2ZK 58 1/2W C2813 1-102-228-00 CERAMIC 470PF 10 R738 1-249-489-11 CARBON 2ZK 58 1/2W C2813 1-102-228-00 CERAMIC 470PF 10 R738 1-249-489-11 CARBON 2ZK 58 1/2W C2813 1-102-228-00 CERAMIC 470PF 10 R738 1-249-489-11 METAL OXIDE 150 58 3W C2815 1-117-455-11 FILM 2200027 5 R740 1-256-391-11 METAL OXIDE 150 58 3W C2815 1-117-455-11 FILM 2200027 5 R741 1-229-847-00 SOLID 560K 20% 1/2W C2819 1-104-655-11 EIRCT 1000F 22 C2819 1-126-933-11 EIRCT 1000F 22 C2820 1-129-725-00 FILM 0.082U7 5.00 C2820 1-129-725-00 FILM 0.082U7 5.00 S0700 1-517-712-11 GAP, SPARK S0700 1-517-712-11 GAP, SPARK S0700 1-517-712-11 GAP, SPARK S0700 1-517-712-11 GAP, SPARK C2840 1-130-481-00 MITAR 0.0010F 5 C2840 1-130-481-00 MITAR 0.0010F 5 C2840 1-130-481-00 MITAR 0.0010F 5 C2840 1-130-481-00 MITAR 0.0020F 5.00 C2	24	49-422-11	C	ARBON	2.7K	5%	1/4W		C2686	Δ	1-161-964-91	CERAMIC	0.0047UF		250V
1-215-903-11 METAL OXIDE 68K 5k 2W   C2805 1-102-973-00 CERAMIC 68PF 11	24	19-435-11	C	ARBON	33K	5%	1/4W		C2687	Δ	1-161-964-91	CERAMIC	0.0047UF		250V
1-215-903-11 METAL OXIDE 68K 5\ 2W   C2805 1-102-973-00 CERAMIC 100FF 5	21	15-903-11	M	ETAL OXIDE	68K	5%	2W		C2801		1-102-002-00	CERAMIC	680PF	10.00%	500V
R721 1-202-818-00 SOLID 1K 208 1/2W C2808 1-130-481-00 WILAR 0.047UF 5   R732 1-202-818-00 SOLID 1K 208 1/2W C2811 1-129-916-00 WILAR 0.015UF 5   R734 1-247-739-11 CARBON 100 5% 1/2W C2811 1-129-916-00 PILM 0.015UF 5   R734 1-247-739-11 CARBON 22K 5% 1/2W C2813 1-102-228-00 CERAMIC 470FF 10   R738 1-249-489-11 CARBON 2K 5% 1/2W C2813 1-102-228-00 PILM 0.024UF 5   R738 1-249-489-11 CARBON 2K 5% 1/2W C2813 1-102-228-00 PILM 0.024UF 5   R740 1-216-391-11 METAL OXIDE 1.5 5% 3W C2815 1-117-455-11 PILM 2000SF 5   R7413 1-202-847-00 SOLID 560K 208 1/2W C2818 1-104-665-11 ELECT 100UF 2	21	15-903-11	M	ETAL OXIDE	68K	5%	2W		C2805		1-102-973-00	CERAMIC	100PF	5.00%	
1-202-818-00   SOLID	21	15-903-11	M	ETAL OXIDE	68K	5%	2W		C2806		1-136-347-11	FILM	0.0047UF	5.00%	630V
1-22-818-00   SOLID	20	02-818-00	S	OLID	1K	20%	1/2W		C2808		1-130-491-00	MYLAR	0.047UF	5.00%	50V
1-22-818-00   SOLID	20	02-818-00	S	OLID	1K	20%	1/2W		C2809		1-130-483-00	MYLAR	0.01UF	5.00%	50V
1-247-739-11   CARBON   100   5   1/2M	20	02-818-00	S	OLID	1K	20%			C2811		1-129-716-00	FILM	0.015UF	5.00%	630V
1-216-391-11   METAL OXIDE   1.5   5   3   3	24	17-739-11	C	ARBON	100	5%			C2813		1-102-228-00	CERAMIC		10.00%	
C2817	24	19-489-11	C	ARBON	22K	5%	1/2W		C2814		1-129-992-00	FILM	0.0024UF	5.00%	630V
1-202-847-00   SOLID   560K   20%   1/2W   C2818   1-104-665-11   ELECT   100UF   20	21	16-391-11	M	ETAL OXIDE	1.5	5%	3W		C2815		1-117-455-11	FILM	22000PF	5.00%	630V
1-202-847-00   SOLID   560K   20%   1/2W   C2818   1-104-665-11   ELECT   100UF   20	21	15-912-11	M	ETAL OXIDE	150	5%	3W		C2817		1-126-933-11	ELECT	100UF	20.00%	16V
C2819	20	02-847-00	S	OLID	560K	20%	1/2W				1-104-665-11	ELECT	100UF	20.00%	
C2820							-,							20.00%	
1-241-656-21 RES, ADJ, METAL FILM 110M   C2841   1-102-244-00   CERAMIC   220FF   10   C2842   1-109-954-11   ELECT   0.47UF   21   C2845   1-136-684-51   FILM   0.0022UF   5.00701   1-517-712-31   GAP, SPARK   C2846   1-130-491-00   MYLAR   0.047UF   5.00703   1-517-712-31   GAP, SPARK   C2847   1-126-964-11   ELECT   10UF   22   C2850   1-130-483-00   MYLAR   0.03UF   5.00704   1-519-421-11   GAP, DISCHARGE   C2849   1-126-964-11   ELECT   10UF   22   C2850   1-130-483-00   MYLAR   0.01UF   5.00704   1-519-421-11   CERAMIC   C20FF   5.008   50V   C2851   1-136-169-00   FILM   0.22UF   5.008   50V   C2864   1-126-965-11   ELECT   22UF   24   C2851   1-136-169-00   FILM   0.22UF   5.008   50V   C2864   1-136-169-00   FILM   0.02UF   5.008   50V   C2865   1-126-961-11   FILM   0.02UF   5.008   50V   C2865   1-136-169-00   FILM   0.02UF   5.008   50V   C2865   1-126-967-11   ELECT   2UF   20.008   50V   C2865   1-126-967-11   ELECT   470UF   20.008   50V   C2865   1-126-967-11   ELECT   470UF   20.008   50V   C2865   1-126-967-11   ELECT   470UF   20.008   50V   C2865   1-126-967		< VARIABI	LE I	RESISTOR >					C2820		1-129-725-00	FILM	0.082UF	5.00%	400V
C2842   1-109-954-11   ELECT   0.47UF   20	24	11-656-21	R	ES, ADJ, MET	AL FIL	M 110N	1				1-102-244-00	CERAMIC		10.00%	
C2845		<del>-</del>		, -,		3•								20.00%	
C2846		< SPARK (	GAP	<b>&gt;</b>							1-136-684-51	FILM		5.00%	
G701 1-517-712-31 GAP, SPARK G702 1-517-712-31 GAP, SPARK G703 1-517-712-31 GAP, SPARK G704 1-519-421-11 GAP, DISCHARGE  C2849 1-126-964-11 ELECT 10UF 20 C2850 1-136-169-00 FILM 0.033UF 5  *A-1640-405-A D1 Board, Complete  4-382-854-11 SCREW (M3X10), P, SW (+)  ⟨ CAPACITOR >  C2852 1-136-169-00 FILM 0.2UF 5 C3802 1-126-965-11 ELECT 22UF 20 C3804 1-126-965-11 ELECT 22UF 20 C3804 1-126-965-11 ELECT 22UF 20 C3804 1-136-169-00 FILM 0.22UF 5 C3804 1-126-965-11 ELECT 22UF 20 C3804 1-126-965-11 ELECT 22UF 20 C3805 1-136-169-00 FILM 0.22UF 5 C3806 1-136-169-00 FILM 0.22UF 5 C3807 1-126-965-11 ELECT 22UF 20 C3808 1-126-965-11 ELECT 22UF 20 C3809 1-126-965-11 FILM 0.22UF 5 C3809 1-126-967-11 FILM 0.22UF 5 C3800 1-126-967-11 F														5.00%	
G703 1-517-712-31 GAP, SPARK G704 1-519-421-11 GAP, DISCHARGE  C2849 1-126-964-11 ELECT 10UF 2(C2850 1-130-483-00 MYLAR 0.01UF 5  C2850 1-130-483-00 MYLAR 0.01UF 5  C2851 1-136-169-00 FILM 0.22UF 5  C3802 1-126-965-11 ELECT 22UF 2(C3804 1-126-965-11 ELECT 10UF 2(C3804 1-126-965-11 ELE															
C2849				•										20.00%	
*A-1640-405-A D1 Board, Complete  4-382-854-11 SCREW (M3X10), P, SW (+)  <	51	L7-712-31	G	AP, SPARK					C2848		1-136-159-00	FILM	0.033UF	5.00%	50V
2643 1-125-991-11 ELECT 180UF 20% 450V CONNECTOR > CONNECTOR 3P CONNECTOR 4P CONNECTOR 4	51	L9-421-11	G	AP, DISCHARG	E						1-126-964-11	ELECT		20.00%	
4-382-854-11 SCREW (M3X10), P, SW (+)  C2852 1-136-169-00 FILM 0.22UF 5.  C3802 1-126-965-11 ELECT 22UF 20.  C3804 1-126-965-11 ELECT 22UF 20.  C3805 1-136-169-00 FILM 0.22UF 5.00% 50V CN2602														5.00%	
C2643 1-125-991-11 ELECT 180UF 20% 450V CN2644 1-107-824-11 CERAMIC 220FF 5.00% 50V CN2646 1-136-169-00 FILM 0.082UF 5.00% 50V CN2647 1-107-824-11 CERAMIC 220FF 5.00% 50V CN2648 1-136-169-00 FILM 0.082UF 5.00% 50V CN2649 1-136-169-00 FILM 0.082UF 5.00% 50V CN2649 1-136-164-00 FILM 0.082UF 5.00% 50V CN2649 1-136-164-00 FILM 0.082UF 5.00% 50V CN2649 1-136-164-00 FILM 0.082UF 5.00% 50V CN2650 1-117-631-21 FILM 3300FF 3.00% 1.2KV CN2650 1-136-164-00 FILM 0.082UF 5.00% 50V CN2651 1-136-164-00 FILM 0.082UF 5.00% 50V CN2652 1-136-165-00 FILM 0.082UF 5.00% 50V CN2653 1-126-965-11 ELECT 22UF 20.00% 50V CN2651 1-1568-878-51 PIN, CONNECTOR 4P CN2805 1-568-879-11 PIUG, CONNECTOR 6P CN2805 1-568-879-11 PIUG, CONNECTOR 6P CN2805 1-568-879-11 PIUG, CONNECTOR 6P CN2805 1-126-965-11 ELECT 22UF 20.00% 50V CN2805 1-568-879-11 PIUG, CONNECTOR 6P CN3801 *1-568-879-11 PIUG, CONNECTOR 6P CN3801	0	5-A [	D1	Board, Co	mple	ete			C2851		1-136-169-00	FILM	0.22UF	5.00%	50V
C3802 1-126-965-11 ELECT 22UF 20  C3804 1-126-965-11 ELECT 22UF 20  C00NNECTOR >  C00NNECTOR 3P  C00NNECTOR 3P  C00NNECTOR 3P  C00NNECTOR 4P  C00NNECTOR 3P  C00NNECTOR 4P  C00NNECTOR 4P  C00NNECTOR 3P  C00NNECTOR 4P  C00NNECTOR 3P  C00NNECTOR 4P  C00NNECTOR 3P  C00NNECTOR 4P  C00NNECTOR 3P  C00NNECTOR 4P  C00NN	<b>3</b> 8	22-254-11	Q/	CREW /MRY10)	D Q	W /±\			C2852		1-136-169-00	FILM	0.22UF	5.00%	50V
CAPACITOR   CAPACITOR	-	72 034 11	٠.	CIMIN (HOMIO)	, 1, 5	. (.,			C3802		1-126-965-11	ELECT	22UF	20.00%	50V
1-125-991-11 ELECT 1800F 20% 450V  1-107-824-11 CERAMIC 220FF 5.00% 1KV  1-136-169-00 FILM 0.22UF 5.00% 50V  1-107-824-11 CERAMIC 220FF 5.00% 50V  1-108-169-191-11 FILM 0.082UF 5.00% 50V  1-108-169-191-11 TAB (CONTACT)  1-108-169-11 FILM 0.022UF 5.00% 50V  1-108-169-11 FILM 0.022UF 5.00% 50V  1-108-169-11 FILM 0.01UF 5.00% 50V  1-108-169-191-11 FILM 0.01UF 5.00% 50V  1-108-169-191-11 FILM 0.01UF 5.00% 50V  1-108-169-191-11 FILM 0.01UF 5.00% 50V  1-108-1691-291-11 FILM (CONNECTOR 6P CN2807 *1-564-509-11 PLUG, CONNECTOR 6P CN3801 *1-568-879-11 PIN, CONNECTOR 6P CN3802 *1-785-270-12 PIN, DY CONNECTOR 4P CN3802 *1-785-270-12 PIN, DY CONNECTOR 4P CN3802 *1-785-270-12 PIN, DY CONNECTOR (PC BOARI CN3803 *1-580-798-11 CONNECTOR PIN (DY) 6P CN3803 *1-580-798-11 CN3803 *1-5		< CAPACI	TOR	. >					C3804		1-126-965-11	ELECT	22UF	20.00%	50V
1-107-824-11 CERAMIC 220FF 5.00% 1KV  1-136-169-00 FILM 0.22UF 5.00% 50V  1-107-824-11 CERAMIC 220FF 5.00% 50V  1-108-169-00 FILM 0.22UF 5.00% 50V  1-108-169-00 FILM 0.082UF 5.00% 50V  1-108-169-11-11 TAB (CONTACT)	12	25-991-11	E.	T.E.CT	180116		20%	450V			< CONNECT	OR >			
1-136-169-00 FILM 0.22UF 5.00% 50V C2646 1-136-164-00 FILM 0.082UF 5.00% 50V C2647 1-107-824-11 CERAMIC 220PF 5.00% 1KV C2648 1-136-169-00 FILM 0.22UF 5.00% 50V C2649 1-136-164-00 FILM 0.082UF 5.00% 50V C2650 1-117-631-21 FILM 3300PF 3.00% 1.2KV C2651 1-136-157-00 FILM 0.022UF 5.00% 50V C2652 1-136-165-00 FILM 0.1UF 5.00% 50V C2653 1-126-965-11 ELECT 22UF 20.00% 50V C2655 1-126-967-11 ELECT 47UF 20.00% 50V C2656 1-126-967-11 ELECT 47UF 20.00% 50V C2657 1-126-967-11 ELECT 47UF 20.00%									•						
1-136-164-00   FILM   0.082UF   5.00%   50V   CN2602   \( \times \)						,			CN2503		*1-564-506-11	PLUG, C	ONNECTOR 3P		
1-107-824-11   CERAMIC   220F   5.00%   1KV     CN2604   *1-568-881-51   PIN, CONNECTOR 6P   CN2804   *1-568-879-11   PIN, CONNECTOR 4P   CN2805   1-568-878-51   PIN, CONNECTOR 3P   CN2805   1-695-915-11   TAB (CONTACT)   CN2806   1-695-915-11   TAB (CONTACT)   CN2807   *1-564-509-11   PLUG, CONNECTOR 6P   CN3801   *1-568-879-11   PLUG, CONNECTOR 6P   CN3801   *1-568-879-11   PIN, CONNECTOR 4P   CN3802   *1-785-270-12   PIN, DY CONNECTOR (PC BOARD CN3803   *1-580-798-11   CONNECTOR PIN (DY) 6P   CN3803   *1-580-798-11   CONNECTOR PIN (DY) 6P   CN3805   1-126-967-11   ELECT   470F   20.00% 50V   CN3805   1-126-967-11   ELECT   470F   20.00% 50V   CN3805   1-126-967-11   ELECT   470F   20.00% 50V   CN3805   CN3805   1-126-967-11   ELECT   470F   20.00% 50V   CN3805									CN2602	Δ	*1-691-291-11	PIN, CO	NNECTOR (PC BOAL	RD) 5P	
CN2804						-			CN2604		*1-568-881-51	PIN, CO	NNECTOR 6P		
1-136-169-00   FILM   0.020F   5.00%   50V   CN2806   1-695-915-11   TAB (CONTACT)   CN2807   *1-564-509-11   PLUG, CONNECTOR 6P   CN3801   *1-568-879-11   PLUG, CONNECTOR 6P   CN3802   *1-785-270-12   PIN, DY CONNECTOR (PC BOARD   CN3802   *1-785-270-12   PIN, DY CONNECTOR (PC BOARD   CN3803   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3805   CN3805   CN3806   CN3806   CN3807   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3805   CN3806   CN3807   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3807   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3807   CN3807   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3807   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3807   *1-580-798-11   CN3807   *1-5		, U24-11	C.	TIGHT	LLVII		J. 00 0	-1114	CN2804		*1-568-879-11	PIN, CO	NNECTOR 4P		
1-136-164-00   FILM   0.082UF   5.00%   50V   22650   1-117-631-21   FILM   3300PF   3.00%   1.2KV   CN2806   1-695-915-11   TAB (CONTACT)   CN2807   *1-564-509-11   PLUG, CONNECTOR 6P   CN3801   *1-568-879-11   PLUG, CONNECTOR 4P   CN3802   *1-785-270-12   PIN, DY CONNECTOR (PC BOARD CN2653   1-126-965-11   ELECT   22UF   20.00%   50V   CN2805   1-126-967-11   ELECT   47UF   20.00%   50V   CN2806   1-695-915-11   TAB (CONTACT)   TAB (CONTACT)   CN2807   *1-564-509-11   PLUG, CONNECTOR 6P   CN3801   *1-568-879-11   PLUG, CONNECTOR 4P   CN3802   *1-785-270-12   PIN, DY CONNECTOR (PC BOARD CN3803   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3803   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3805   *1-580-798-11   CONNECTOR PIN (DY)   6P   CN3	13	36-169-00	F	'ILM	0.22IIF	,	5.00%	50V	CN2805		1-568-878-51	PIN, CO	NNECTOR 3P		
1-117-631-21   FILM   3300PF   3.00%   1.2KV   CN2806   1-695-915-11   TAB (CONTACT)															
1-136-157-00 FILM 0.022UF 5.00% 50V CN2807 *1-564-509-11 PLUG, CONNECTOR 6P CN3801 *1-568-879-11 PLUG, CONNECTOR 6P CN3801 *1-568-879-11 PLUG, CONNECTOR 4P CN3802 *1-785-270-12 PIN, DY CONNECTOR (PC BOARD CN3802 *1-785-270-12 PIN, DY CONNECTOR (PC BOARD CN3803 *1-580-798-11 CONNECTOR PIN (DY) 6P CN3803 *1-580-798-11 CONNECTO									CN2806						
1-136-165-00 FILM 0.1UF 5.00% 50V CN3801 *1-568-879-11 PIN, CONNECTOR 4P CN3802 *1-785-270-12 PIN, DY CONNECTOR (PC BOARD CN3803 *1-580-798-11 CONNECTOR PIN (DY) 6P CN3803 *1-580-798-11 CONNECTOR P									CN2807		*1-564-509-11	PLUG, C	ONNECTOR 6P		
CN3802 *1-785-270-12 PIN, DY CONNECTOR (PC BOARD CN3803 *1-580-798-11 CONNECTOR PIN (DY) 6P						•			CN3801		*1-568-879-11	PIN, CO	NNECTOR 4P		
220F 20.00% 50V 22654 1-126-967-11 ELECT 47UF 20.00% 50V 22655 1-126-941-11 ELECT 47UF 20.00% 25V 22656 1-126-967-11 ELECT 47UF 20.00% 50V 22657 1-126-967-11 ELECT 47UF 20.00% 50V 22657 1-126-967-11 ELECT 47UF 20.00% 50V	د.	20 100-00	E.		J. 1UE		J. VU®	J 0 V	CN3802		*1-785-270-12	PIN, DY	CONNECTOR (PC	BOARD)	
2655	12	26-965-11	E:	LECT	22UF		20.00%	50V	CN3803		*1-580-798-11	CONNECT	OR PIN (DY) 6P		
22656 1-126-967-11 ELECT 47UF 20.00% 25V  22656 1-126-967-11 ELECT 47UF 20.00% 50V  22657 1-126-967-11 ELECT 47UF 20.00% 50V  22657 1-126-967-11 ELECT 47UF 20.00% 50V	12	26-967-11	E.	LECT	47UF		20.00%	50V			/ DTODE *				
2657 1-126-967-11 ELECT 47UF 20.00% 50V D2601 8-719-025-88 DIODE GBU4JL-6088	12	26-941-11	E	LECT	470UF		20.00%	25V			< NTONE >	•			
.265/ 1-126-96/-11 ELECT 4/UF 20.00% 50V	12	26-967-11	E.	LECT	47UF		20.00%	50V	20004		0 710 005 00	DT000 -	D114 TT CCCC		
PEGG   Q (1) 331 33 PIONE 1991331	12	26-967-11	E	LECT	47UF				D2601 D2607						
22659 1-126-936-11 ELECT 3300UF 20.00% 16V D2615 8-719-063-73 DIODE D1NL20U-TR	12	26-936-11	E	LECT	3300UF	i	20.00%	16V							
C2660 1-126-936-11 ELECT 3300UF 20.00% 16V D2616 8-719-063-73 DIODE DINL20U-TR															
22661 1-126-935-11 ELECT 470UF 20.00% 16V D2617 8-719-991-33 DIODE 1SS133T-77									D2617		8-719-991-33	DIODE 1	SS133T-77		
C2662 1-126-935-11 ELECT 470UF 20.00% 16V															





REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTIO	N	REMARK
D2619	8-719-110-57	DIODE RD22ES-T1B2			< TRANSIS	STOR >		
D2620	8-719-160-65	DIODE RD16FB2						
D2621	8-719-991-33	DIODE 1SS133T-77		Q2614	8-729-026-39	TRANSISTOR 25	SA933AS-RT	
D2669	8-719-510-12	DIODE D10SC4M-F		Q2615	8-729-119-78	TRANSISTOR 25	SC1740S-RT	
D2670	8-719-040-01	DIODE FMB-22H		Q2802	8-729-119-78	TRANSISTOR 25	SC1740S-RT	
				Q2805	8-729-119-76	TRANSISTOR 25	SA1309A-ORST	A
D2671	8-719-040-01	DIODE FMB-22H		Q2806		TRANSISTOR II	-	
D2801	8-719-110-41	DIODE MTZJ-T-77-15B						
D2802		DIODE 1SS133T-77		Q2808	8-729-119-78	TRANSISTOR 25	SC1740S-RT	
D2804		DIODE RGP10GPKG23		Q2810		TRANSISTOR 25		
D2805		DIODE ERA38-06TP1		Q2811		TRANSISTOR 25		
				Q2814		TRANSISTOR 25		
D2806	8-719-300-33	DIODE ERB44-06TP1		Q3801		TRANSISTOR 25		
D2807		DIODE RGP10GPKG23		25501	0 /23 223 /0	11111010101	3017100 111	
D2808		DIODE ERA38-06TP1		Q3802	8-720-110-78	TRANSISTOR 25	SC1740S-PT	
D2810		DIODE 1SS133T-77		25002	0 123 113 10	INMIDIDION 2	301/405 KI	
D2811		DIODE 1SS133T-77			< RESISTO	י פר		
D2011	0-719-991-33	DIODE 1331331-77			/ VE3131/	JK /		
D2812	8-719-991-33	DIODE 1SS133T-77		R2602	1-217-418-00	FUSIBLE	0.47 10%	•
D2813	8-719-991-33	DIODE 1SS133T-77		R2603	1-260-127-11	CARBON	220K 5%	1/2W
D3801	8-719-991-33	DIODE 1SS133T-77		R2604	1-260-127-11	CARBON	220K 5%	1/2W
D3802	8-719-991-33	DIODE 1SS133T-77		R2605	1-249-391-11	CARBON	6.8 5%	1/4W
				R2607	1-260-127-11	CARBON	220K 5%	1/2W
	< IC >			R2608	1-260-127-11	CARRON	220K 5%	1/2W
IC2605	9_720_030_65	TRANSISITOR MX0541AB-F			△ 1-202-962-11		3.3 5%	10W
IC2605		IC TL431CLP-Z20		R2647	1-249-391-11		6.8 5%	1/4W
				R2648				· ·
IC2801	8-759-103-93				1-249-437-11		47K 5%	1/4W
IC2802	8-759-701-59			R2649	1-215-429-00	METAL	2.2K 1%	1/4W
IC2803	8-759-700-42	IC NUM2904D		Dacoo	1 040 417 11	CADDON	177 E0	1 / 417
	4 0077			R2680	1-249-417-11		1K 5%	1/4W
	< COIL >			R2681	1-215-428-00		2K 1%	1/4W
	4 440 505 04			R2685	1-249-429-11		10K 5%	1/4W
L2614	1-412-525-31				1-249-377-11		0.47 5%	1/4W
L2615	1-412-525-31			R2687	1-249-417-11	CARBON	1K 5%	1/4W
L2616		LEAD, JUMPER (5.0MM)						
L2801		LEAD, JUMPER (5.0MM)		R2689	1-249-429-11		10K 5%	
L2802	1-406-677-11	INDUCTOR 10MH		R2690	1-247-807-31		100 5%	1/4W
				R2801		LEAD, JUMPER		
L2803	1-406-989-21			R2802	1-215-919-11		2.2K 5%	3W
L2805	1-406-667-11			R2804	1-249-437-11	CARBON	47K 5%	1/4W
L2806	1-406-679-11							
L3801		LEAD, JUMPER (5.0MM)		R2805	1-249-429-11		10K 5%	1/4W
L3802	1-535-465-11	LEAD, JUMPER (5.0MM)		R2811	1-215-445-00		10K 1%	1/4W
				R2813	1-215-469-00	METAL	100K 1%	1/4W
L3803	1-535-465-11	LEAD, JUMPER (5.0MM)		R2814	1-215-445-00	METAL	10K 1%	1/4W
				R2815	1-215-469-00	METAL	100K 1%	1/4W
	< IC LINK	. >		R2816	1-215-443-00	METAL	8.2K 1%	1/4W
PS2601 /	1-801-550-21	PROTECTOR, MODULE		R2817	1-215-465-00		68K 1%	1/4W
	1-533-597-31			R2818	1-215-459-00		39K 1%	1/4W
		PROTECTOR, MODULE		R2819	1-249-421-11		2.2K 5%	1/4W
		PROTECTOR, MODULE		R2820	1-249-421-11		2.2K 5%	1/4W 1/4W
		LINK, IC 1A (ICP-F25)		K2020	1-249-421-11	CARDON	2.2N 38	1/4W
				R2821	1-247-807-31		100 5%	1/4W
PS2608 Z	1-801-549-21	PROTECTOR, MODULE		R2823	1-535-465-11	LEAD, JUMPER	(5.0MM)	
				I				





REF. NO. PART.NO		DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTIO	ON	RE	MARK
R2824	1-249-425-11	CARBON	4.7K	5%	1/4W	*A-16	42-254-A [	D2 Board, C	omplete	(KV-28	DX3UII)
R2825	1-249-417-11	CARBON	1K	5%	1/4W			D2 Board, C D2 Board, C			
2826	1-249-417-11	CARBON	1K	5%	1/4W		0. /.	z z zoara, c	on pose	(11.00	J.1.000)
2827	1-249-441-11	CARBON	100K	5%	1/4W		1.0				
2828	1-249-441-11		100K	5%	1/4W	D2 B0	ard Common	n Parts			
	1 040 441 11	a1220v	100**	<b>F</b> 0	1 / 4**		< CAPACI	IOR >			
2829	1-249-441-11		100K		1/4W						
2830	1-215-912-11		150	5% = °	3W	C8801	1-107-683-11	ELECT	2.2UF		250V
2832	1-249-379-11		0.68		1/4W	C8804	1-136-207-11	MYLAR	0.047UF	10.009	250V
2840	1-215-922-11		6.8K		3W						
2841	1-215-922-11	METAL OXIDE	6.8K	5%	3W		< CONNEC	TOR >			
2842	1-215-923-00	METAL OXIDE	10K	5%	3W	CN10001	+1 770 740 11	CONNECTION I	ם אש ממגאכ	חמו חמו	
2843	1-215-923-00	METAL OXIDE	10K	5%	3W	CN8801	*1-770-748-11	CONNECTOR, I	SUARD TO B	OARD 12P	
2844	1-249-409-11	CARBON	220	5%	1/4W		∠ DTADE :				
2845	1-215-489-00	METAL	680K	1%	1/4W		< DIODE	,			
2846	1-247-903-00	CARBON	1M	5%	1/4W	D0001	0 710 000 00	DTODE 1/22 -	n 77 ^ 1		
						D8801		DIODE MTZJ-1			
2847	1-249-429-11	CARBON	10K	5%	1/4W	D8802	8-719-302-43	DIODE RGP100	erkG23		
2848	1-215-449-00	METAL	15K	1%	1/4W						
2849	1-215-491-00	METAL	820K	1%	1/4W		< IC >				
2850	1-215-445-00	METAL	10K	1%	1/4W						
2851	1-215-445-00	METAL	10K	1%	1/4W	IC8801	8-749-010-64	PHOTO COUPLE	ER PC123FY	2	
2852	1-215-481-00	метат.	330K	1%	1/4W		< COIL >				
2853	1-215-477-00		220K		1/4W						
2854	1-215-477-00			ւ 1%	1/4W	L8801	1-406-674-11	INDUCTOR	3.3MH		
2855	1-215-457-00			1%	1/4W	L8802	1-406-978-11	INDUCTOR	150UH		
2856	1-247-807-31		100	1° 5%	1/4W						
2030	1-247-007-31	CARBON	100	Jη	1/44		< TRANSI	STOR >			
2857	1-249-413-11	CARBON	470	5%	1/4W	20001	0 700 004 00	mpanaraman (	2070510 01		
2858	1-249-424-11	CARBON	3.9K	5%	1/4W	Q8801		TRANSISTOR 2			
2859	1-247-807-31	CARBON	100	5%	1/4W	Q8802		TRANSISTOR I			
2860	1-215-888-00	METAL OXIDE	220	5%	2W	Q8803	8-729-030-02	TRANSISTOR I	OTC144ESA-	TP	
2861	1-215-888-00	METAL OXIDE	220	5%	2W		< RESIST	OR >			
3801	1-249-421-11	CARBON	2.2K	5%	1/4W						
3804	1-249-421-11		2.2K		1/4W	R8801		METAL OXIDE		% 3₩	
						R8802	1-249-441-11		100K 5		
	< RELAY >	•				R8803	1-249-441-11		100K 5	•	
						R8804	1-249-421-11		2.2K 5	•	
Y3801	1-755-172-11	RELAY				R8805	1-249-429-11	CARBON	10K 5	% 1/4W	
Y3802	1-755-172-11						4 045 005 00	****	400 -		
						R8806 R8807	1-247-807-31 1-202-719-00		100 5 1M 2	% 1/4W 0% 1/2W	
	< TRANSFO	RMER >				10007	1 202 /15 00	30215		1/2M	
2602		TRANSFORMER,				D2 Bo	ard Variant F	Parts KV-28	DX30U		
2603		TRANSFORMER,									
2801	1-433-849-11	TRANSFORMER,	FERRIT	E (DF	T)		< CAPACI	IOR >			
3801	1-419-090-11	COIL, CHOKE	(100UH)								
3802	1-419-090-11	COIL, CHOKE	(100UH)			C8802	1-136-104-00	FILM	0.16UF	5.00%	200V
						C8805	1-136-569-11		1.2UF	5.00%	



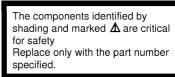
The components identified by shading and marked **∆** are critical for safety Replace only with the part number specified.

REF. NO		PART.NO	DESCRIPTIO	N	RE	MARK	REF. NO.		PART.NO	DESCRIPTIO	N	RE	MARK
D2	Ros	rd Variant P	Parte KV 22	DA30IT—			C614		1-126-933-11	ELECT	100UF	20.00%	16V
UZ	Duai	iu variani P	arts KV-32	DV900			C615		1-115-789-11	ELECT	0.001F	20.00%	25V
		< CAPACIT	OR >				C616		1-115-789-11	ELECT	0.001F	20.00%	25V
							C618		1-136-165-00	FILM	0.1UF	5.00%	50V
C8802		1-136-946-11	FILM	0.12UF	5.00%	200V	C619		1-102-228-00	CERAMIC	470PF	10.00%	500V
C8805		1-136-540-11	FILM	0.82UF	5.00%	200V							
							C620		1-102-228-00	CERAMIC	470PF	10.00%	500V
*Δ <b>-</b> 1	642-	-268-A D	Board, Co	mnlete (K	V-28D	X30H)	C622		1-107-925-11	ELECT	1UF	20.00%	100V
			Board, Co				C624		1-136-165-00	FILM	0.1UF	5.00%	50V
				p.o.to (i.e			C625		1-126-967-11	ELECT	47UF	20.00%	50V
							C626		1-104-666-11	ELECT	220UF	20.00%	25V
DB	oard	Common F	arts										
							C628		1-126-964-11	ELECT	10UF	20.00%	50V
		1-900-900-22		OCUS			C629		1-115-819-11	ELECT	0.0022F	20.00%	35V
		4-201-023-01	SPACER				C630		1-115-819-11	ELECT	0.0022F	20.00%	35V
		4-202-373-01					C631		1-126-965-11	ELECT	22UF	20.00%	50V
		4-202-710-01	SPACER				C632		1-104-666-11	ELECT	220UF	20.00%	25V
		4-382-854-11	SCREW (M3X10	), P, SW (+)									
			<b>.</b> .				C636	Δ	1-119-888-51	CERAMIC	2200PF	20.00%	250V
		< CAPACIT	OR >				C638		1-136-203-11	MYLAR	0.01UF	10.00%	250V
							C640		1-106-220-00	MYLAR	0.1UF	10.00%	100V
C503		1-136-165-00	FILM	0.1UF	5.00%		C641	Δ	1-113-916-11	CERAMIC	0.01UF	20.00%	250V
C504		1-102-119-00	CERAMIC	0.0015UF	10.00%		C642	Δ	1-113-916-11	CERAMIC	0.01UF	20.00%	250V
C506		1-126-941-11		470UF	20.00%								
C507		1-109-953-11		2.2UF	20.00%		C647		1-162-116-00	CERAMIC	680PF	10.00%	2KV
C509		1-136-165-00	FILM	0.1UF	5.00%	50V	C651		1-102-228-00	CERAMIC	470PF	10.00%	500V
							C800		1-137-368-11	MYLAR	0.0047UF	5.00%	50V
C510		1-126-969-11		220UF	20.00%		C803		1-129-898-00	FILM	0.0022UF	5.00%	630V
C511		1-136-202-11		0.33UF	5.00%		C804		1-136-165-00	FILM	0.1UF	5.00%	50V
C513			MYLAR	0.1UF	10.00%								
C514		1-136-165-00		0.1UF	5.00%		C805		1-136-207-11	MYLAR	0.047UF	10.00%	250V
C515		1-126-941-11	ELECT	470UF	20.00%	257	C806		1-107-370-11	MYLAR	0.1UF	10.00%	200V
							C807		1-136-540-11	FILM	0.82UF	5.00%	200V
C517		1-126-941-11		470UF	20.00%		C811		1-162-318-11	CERAMIC	0.001UF	10.00%	500V
C518		1-102-228-00	CERAMIC	470PF	10.00%		C815		1-137-046-11	MYLAR	0.0082UF	10.00%	400V
C519		1-102-228-00		470PF	10.00%								
C520		1-126-941-11		470UF	20.00%		C816		1-117-214-11	CERAMIC	0.001UF	10.00%	2KV
C521		1-107-698-11	ELECT	10UF	20.00%	25V	C817		1-117-214-11	CERAMIC	0.001UF	10.00%	2KV
				4 4			C819		1-136-208-11	MYLAR	0.068UF	10.00%	250V
C522		1-126-964-11		10UF	20.00%		C822		1-107-662-11	ELECT	22UF	20.00%	250V
C523		1-136-165-00		0.1UF	5.00%		C824		1-123-024-21	ELECT	33UF		160V
C600		1-119-888-51		2200PF	20.00%								
C601		1-161-964-91		0.0047UF		250V	C829		1-126-959-11	ELECT	0.47UF	20.00%	50V
C602	Δ.	1-161-964-91	CERAMIC	0.0047UF		250V	C832		1-126-960-11	ELECT	1UF	20.00%	50V
~~~		4 445 550 44			00 000	450	C834		1-128-551-11	ELECT	22UF	20.00%	25V
C603		1-117-752-11	, , ,		20.00%		C835		1-162-318-11		0.001UF	10.00%	
C604		1-126-968-11		100UF	20.00%		C836		1-162-117-00	CERAMIC	100PF	10.00%	500V
C605		1-107-929-11		10UF	20.00%								
C606		1-162-318-11		0.001UF	10.00%		C838		1-102-228-00		470PF	10.00%	
C607		1-104-666-11	LLECT	220UF	20.00%	43V	C839		1-136-207-11		0.047UF	10.00%	
0600		1 100 000 11	ETIM	0 001 FTT	2 000	OWI	C841		1-102-114-00		470PF	10.00%	50V
C608		1-109-880-11		0.0015UF	3.00%		C910		1-535-465-11		(5.0MM)		
C609		1-102-228-00		470PF	10.00%		C916		1-162-318-11	CERAMIC	0.001UF	10.00%	500V
C611		1-102-228-00		470PF	10.00%								
C612		1-107-929-11		10UF	20.00%		C1200		1-136-165-00		0.1UF	5.00%	
C613		1-124-347-51	ELECT	100UF	20.00%	TOUN	C1201		1-137-194-81	FILM	0.47UF	5.00%	50V

The components identified by shading and marked ♠ are critical for safety
Replace only with the part number specified.



REF. NO.	PART.NO	DESCRIPTIO	DN	REI	WARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C1202	1-137-194-81	FILM	0.47UF	5.00%	50V	D503	8-719-979-85	DIODE RGP15GPKG23	
C1203	1-136-169-00	FILM	0.22UF	5.00%	50V	D504	8-719-991-33	DIODE 1SS133T-77	
C1204	1-136-169-00	FILM	0.22UF	5.00%	50V	D505	8-719-982-03	DIODE MTZJ-T-77-3.6	i a
C1205	1-101-005-00		0.022UF		50V	D506	8-719-991-33	DIODE 1SS133T-77	
C1206	1-101-005-00		0.022UF		50V	D507		DIODE MTZJ-T-77-5.1	В
C1207	1-126-933-11		100UF	20.00%		D510		DIODE MTZJ-T-77-22E	
C1208	1-126-963-11		4.7UF	20.00%		D570		DIODE MTZJ-T-77-22E	
C1209	1-126-963-11		4.7UF	20.00%		D571		DIODE MTZJ-T-77-22E	}
C1210	1-126-941-11		470UF	20.00%		D600		DIODE D4SB60L-F	
C1212	1-162-318-11	CERAMIC	0.001UF	10.00%	500V	D601	8-719-046-77	DIODE EM1-V1	
C1213	1-162-318-11	CERAMIC	0.001UF	10.00%	500V	D603	8-719-109-97	DIODE MTZJ-T-77-6.8	B
C1214	1-126-933-11		100UF	20.00%		D604		DIODE EU-1-V1	
C1215	1-137-194-81		0.47UF	5.00%		D605		DIODE RGP10GPKG23	
C1216	1-137-366-11		0.0022UF	5.00%		D606		DIODE RGP10GPKG23	
C1217	1-137-366-11		0.0022UF	5.00%		D607		DIODE EG-1Z-V1	
CIZI	1 137 300 11	HILIAN	0.002201	3.000	301	5007	0 713 040 70	DIODE EG 12 VI	
C1218	1-126-941-11	ELECT	470UF	20.00%	25V	D608	8-719-302-06	DIODE EU2-V1	
C1220	1-162-318-11	CERAMIC	0.001UF	10.00%	500V	D609	8-719-053-32	DIODE FMU-G16S	
C1221	1-162-318-11	CERAMIC	0.001UF	10.00%	500V	D611	8-719-058-38	DIODE FMN-G12S	
C1222	1-126-965-11	ELECT	22UF	20.00%	50V	D612	8-719-058-38	DIODE FMN-G12S	
C1223	1-101-006-00	CERAMIC	0.047UF		50V	D613	8-719-058-38	DIODE FMN-G12S	
	< CONNECT	IOD \				D614	0_710_050_30	DIODE FMN-G12S	
	< CONNECT	OK >				D614			
337.600	A ±1 FAO 70C AA	DIN CONTINUE	IOD /FIRE DIM	OII OD		D617		DIODE 188133T-77	
CN600	△ *1-508-786-00		•			D618		DIODE 188133T-77	
CN601	△ 1-508-765-00					D619		DIODE 188133T-77	
CN602	A *1-691-291-11			אַכ (ע		D620	8-719-991-33	DIODE 1SS133T-77	
CN613	4-352-844-01					DC00	0 710 000 60	DTADE MEZT # 77 A 1	
CN616	4-352-844-01	PIN, LEAD, C	COATING			D622		DIODE MTZJ-T-77-9.1	•
031000	+1 500 700 11	COMPUTATION DE	(DV) CD			D625		DIODE 1SS133T-77	
CN800	*1-580-798-11					D637		DIODE MTZJ-T-77-10E	j
CN801	*1-568-879-11					D638		DIODE 1SS133T-77	
CN802	1-695-915-11	•	•			D800	8-719-991-33	DIODE 1SS133T-77	
CN803	1-695-915-11	•	•						
CN804	1-778-037-11	PIN, CONNECT	OR 6P			D801		DIODE 1SS133T-77	
						D803		DIODE GP08DPKG23	
CN805	*1-770-747-11			RD 12P		D807		DIODE RGP10GPKG23	
CN901	*1-564-510-11					D808		DIODE GP08DPKG23	
CN902	1-695-299-11			RD 50P		D810	8-719-302-43	DIODE RGP10GPKG23	
CN903	*1-564-516-11								
CN904	*1-564-511-11	PLUG, CONNEC	CTOR 8P			D811	8-719-110-41	DIODE MTZJ-T-77-15E	}
						D812	8-719-038-49	DIODE FMV-3FU-LF027	'-103
CN906	*1-564-511-11	PLUG, CONNEC	CTOR 8P			D815	8-719-908-03	DIODE GP08DPKG23	
CN1401	*1-564-506-11	PLUG, CONNEC	CTOR 3P			D817	8-719-109-85	DIODE MTZJ-T-77-5.1	В
CN1403	*1-564-511-11	PLUG, CONNEC	CTOR 8P			D902	8-719-923-60	DIODE MTZJ-T-77-9.1	
CN1407	*1-564-511-11	PLUG, CONNEC	CTOR 8P						
CN1408	*1-564-507-11					D903	8-719-923-60	DIODE MTZJ-T-77-9.1	
		•				D904	8-719-923-60	DIODE MTZJ-T-77-9.1	
CN1803	*1-564-508-11	PLUG, CONNEC	CTOR 5P			D905		DIODE MTZJ-T-77-9.1	
		.,	-			D906		DIODE MTZJ-T-77-9.1	
	< DIODE >					D920		DIODE MTZJ-T-77-5.6	
	A =4 A A A A A A =					-4404	A H4A 400 T		_
D500	8-719-109-85	DIODE MTZJ-T	r-77-5.1B			D1201		DIODE MTZJ-T-77-3.9	
D502		DIODE RGP15G				D1202	1-249-429-11	CARBON 10K	5% 1/4W



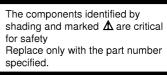


REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION		REMARK
	< FERRITI	E BEAD >		L802	1-459-104-00	COIL, WITH CORE		
				T806	1-535-465-11	LEAD, JUMPER (5	. OMM)	
FB501	1-410-397-21	FERRITE	1.1UH	L809	1-408-611-31	INDUCTOR 4	7UH	
FB600	1-410-396-41	FERRITE	0.45UH	L813	1-412-552-11	INDUCTOR 2	. 2MH	
FB601	1-410-396-41	FERRITE	0.45UH					
FB602	1-410-397-21	FERRITE	1.1UH		< IC LINE	(>		
FB603	1-410-396-41	FERRITE	0.45UH			A = - /		
FB604	1-410-396-41	FERRITE	0.45UH			LINK, IC 2.7A (IC LINK, IC 2.7A (IC		
FB605	1-410-396-41		0.45UH			LINK, IC 2.7A (IC		
FB606	1-410-397-21		1.1UH			LINK, IC 2.7A (IC		
FB607	1-410-397-21		1.1UH	15005 2	1 332 000 21	HIRK, IC 2.7A (I	SE 113)	
FB608	1-410-396-41		0.45UH		< TRANSIS	ית∩ס ∕		
FDOOO	1-410-390-41	FERRITE	0.4J0n		\ INANSIS	100 >		
FB609	1-410-397-21		1.1UH	Q501	8-729-119-78	TRANSISTOR 2SC17	40S-RT	
FB800	1-410-397-21		1.1UH	Q502	8-729-026-39	TRANSISTOR 2SA93	3AS-RT	
FB801	1-410-396-41	FERRITE	0.45UH	Q503	8-729-030-02	TRANSISTOR DTC14	4ESA-TP	
FB901	1-535-465-11	LEAD, JUMPER	(5.0MM)	Q601	8-729-025-04	TRANSISTOR 2SC38	52A	
FB902	1-535-465-11	LEAD, JUMPER	(5.0MM)	Q605	8-729-119-78	TRANSISTOR 2SC17	40S-RT	
	< FILTER	>		Q606	8-729-029-56	TRANSISTOR DTA14	ΔΕςΔ-ΤD	
	V FIBIER			Q607		TRANSISTOR 2SC17		
FL501	1_226_162_41	ENCAPSULATED CO	OMDONENT	Q611		TRANSISTOR 2SC25		
LTOOT	1-230-103-41	ENCAPSOLATED CO	OMF ONEM I	1				
	. 70 >			Q801		TRANSISTOR IRF62		
	< IC >			Q802	8-729-042-86	TRANSISTOR 2SC52	51-01	
IC500	8-759-192-71	IC STV9379		Q803	8-729-119-80	TRANSISTOR 2SC26	88-L	
IC600	8-749-010-92	IC STR-S6709		Q804	8-729-029-66	TRANSISTOR DTC11	4ESA-TP	
IC601 /	A 8-749-013-21	IC TLP721 (D4-GF	R.T)	Q805	8-729-030-02	TRANSISTOR DTC14	4ESA-TP	
IC602	8-749-016-19	IC SE135N-LF4		Q900	8-729-119-78	TRANSISTOR 2SC17	40S-RT	
IC603	8-759-390-57	IC LM2940CT-5.0	0	Q1200	8-729-119-78	TRANSISTOR 2SC17	40s-RT	
IC606	8-759-267-25	IC LM2940CT-9.0	Λ	Q1201	8-720-020-04	TRANSISTOR DTC14	3mcv_md	
IC800	8-759-103-93		•	Q1202		TRANSISTOR DTC11		
IC1200	8-759-585-29			Q1202 Q1203		TRANSISTOR DTC14		
IC1200	8-759-502-21			Q1203 Q1204		TRANSISTOR DTC14		
101201	0 733 302 21	IC IDALULLA		Ž1204	0 725 025 54	INMIDION DICIT	JION II	
	< SOCKET	>			< RESISTO	DR >		
J1200	1-770-218-11	JACK, PIN		R500	1-215-457-00	METAL 33	K 1%	1/4W
		,		R502	1-249-421-11		2K 5%	1/4W
	< COIL >			R503	1-249-429-11			1/4W
				R505	1-249-382-11			1/4W
L501	1-535-465-11	LEAD, JUMPER	(5.0MM)	R507	1-215-888-00			2W
L502	1-412-519-11		3.3UH				. ••	<u></u>
L503	1-412-519-11		3.3UH	R508	1-216-371-00	METAL OXIDE 1.	5 5%	2W
L609	1-412-533-21		47UH	R509	1-249-443-11		47 5%	1/4W
L610			(5.0MM)	R510	1-249-443-11		47 5%	1/4W
2010	1 333 403 11	ZDND, JOHEEK	(0.0001)	R520	1-215-451-00			1/4W
L611	1-412-527-11	TNDIICTOP	15UH	R520	1-213-431-00			1/4W
L612	1-412-527-11		5.6UH	1.322	T 519-133-II	CARDON ZZ.		±/ III
L613	1-412-522-41		5.6UH	R523	1-249-433-11	CARBON 22	y E0.	1/4W
				l				
L615	1-412-529-11		22UH	R524	1-249-425-11		7K 5%	1/4W
L616	1-412-533-21	INDUCTOR	47UH	R525	1-249-425-11		7K 5%	1/4W
	4 480 444 **		4.0	R526	1-249-421-11		2K 5%	1/4W
L801	1-459-111-00	INDUCTOR	10МН	R527	1-215-433-00	METAL 3.	3K 1%	1/4W

The components identified by shading and marked ♠ are critical for safety
Replace only with the part number specified.



REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	1		REMAR
R540	1-249-441-11	CARBON	100K	5%	1/4W	R815	1-249-381-11	CARBON	1	5%	1/4W
R600	1-216-490-11	METAL OXIDE	39K	5%	3W	R816	1-215-917-11	METAL OXIDE	1K	5%	3W
R601	1-249-417-11	CARBON	1K	5%	1/4W	R818	1-215-884-11	METAL OXIDE	47	5%	2W
R602	1-215-473-00	METAL	150K	1%	1/4W	R819	1-535-143-71	LEAD, JUMPER	(7.5MM	i)	
R603	1-215-898-11	METAL OXIDE	10K	5%	2W	R820	1-249-403-11	CARBON	68	5%	1/4W
R604	1-249-420-11	CARBON	1.8K	5%	1/4W	R822	1-215-868-00	METAL OXIDE	680	5%	1W
R605	1-216-362-11	METAL OXIDE	0.27	5%	2W	R823	1-215-918-00	METAL OXIDE	1.5K	5%	3W
R606		LEAD, JUMPER	(12.5M	M)		R825	1-215-884-11	METAL OXIDE	47	5%	2W
R607	1-216-421-11	METAL OXIDE	12	5%	1W	R826	1-260-099-11	CARBON	1K	5%	1/2W
R608	1-216-365-00	METAL OXIDE	0.47	5%	2W	R827	1-249-425-11	CARBON	4.7K	5%	1/4W
R609	1-535-465-11	LEAD, JUMPER	(5.0MM	I)		R829	1-260-120-11	CARBON	56K	5%	1/2W
R611	1-249-439-11	CARBON	68K	5%	1/4W	R831		LEAD, JUMPER	(5.5MM	I)	
R612	1-249-426-11		5.6K	5%	1/4W	R833	1-247-887-00		220K	5%	1/4W
R616	1-215-471-00	METAL	120K	1%	1/4W	R836	1-249-439-11	CARBON	68K	5%	1/4W
R617	1-215-901-00	METAL OXIDE	33K	5%	2W	R838	1-215-455-00	METAL	27K	1%	1/4W
R618	1-249-433-11		22K	5%	1/4W	R840	1-247-807-31		100	5%	1/4W
R619	1-216-425-11	METAL OXIDE	56	5%	1W	R841	1-249-418-11	CARBON	1.2K	5%	1/4W
R620	1-260-131-11		470K	5%	1/2W	R844		•	(10.5M	M)	
R621		METAL OXIDE	56	5%	1W	R849	1-249-429-11		10K	5%	1/4W
R622	1-249-437-11	CARBON	47K	5%	1/4W	R851	1-215-898-11	METAL OXIDE	10K	5%	2W
R623	1-249-429-11	CARBON	10K	5%	1/4W	R852	1-249-432-11		18K	5%	1/4W
R624	1-249-393-11		10	5%	1/4W	R853	1-216-361-00		0.22		2W
R625	1-249-434-11		27K	5%	1/4W	R901	1-260-082-11		39	5%	1/2W
R626	1-249-430-11		12K	5%	1/4W	R902	1-260-082-11		39	5%	1/2W
R627	1-216-347-11	METAL OXIDE	0.68	5%	1W	R907	1-249-417-11	CARBON	1K	5%	1/4W
R628	1-249-415-11		680	5%	1/4W	R909	1-249-429-11		10K	5%	1/4W
	△ 1-202-968-11		1.2	5%	10W	R922	1-247-807-31		100	5%	1/4W
R632	1-247-807-31		100	5%	1/4W	R923	1-249-416-11		820	5%	1/4W
R633	1-247-807-31		100	5%	1/4W	R1200	1-249-425-11		4.7K		1/4W
R634	1-249-397-11	CARBON	22	5%	1/4W	R1201	1-249-434-11	CARBON	27K	5%	1/4W
R636	1-249-417-11		1K	5%	1/4W	R1202	1-249-389-11		4.7	5%	1/4W
R637	1-249-409-11		220	5%	1/4W	R1203	1-249-417-11		1K	5%	1/4W
R638	1-249-433-11		22K	5%	1/4W	R1204	1-249-417-11		1K	5%	1/4W
R639	1-215-425-00		1.5K		1/4W	R1205	1-249-428-11		8.2K		1/4W
R641	△ 1-240-030-91	METAL	4.7M	5%	1/2W	R1206	1-249-428-11	CARBON	8.2K	5%	1/4W
	△ 1-202-968-11		1.2		10W	R1207	1-249-413-11		470	5%	1/4W
	△ 1-240-030-91		4.7M		1/2W	R1208	1-212-849-00		4.7	5%	1/4W
R646	1-249-377-11		0.47		1/4W	R1209	1-212-849-00		4.7	5%	1/4W
R647	1-202-933-61			10%	1/2W	R1210	1-249-413-11		470	5%	1/4W
R648	△ 1-202-968-11	CEMENTED	1.2	5%	10W	R1211	1-249-424-11	CARBON	3.9K	5%	1/4W
	1-249-426-11	CARBON	5.6K	5%	1/4W	R1212	1-249-424-11	CARBON	3.9K	5%	1/4W
		CARBON	10K	5%	1/4W	R1213	1-249-421-11	CARBON	2.2K	5%	1/4W
R649	1-249-429-11			5%	2W	R1216	1-249-413-11	CARBON	470	5%	1/4W
R649 R800	1-249-429-11	METAL OXIDE	220			1	1 040 405 11	CYDDOM	4 777	52	1 / 457
R649 R800 R808 R810	1-249-429-11	METAL OXIDE	220	5%	2W	R1217	1-249-425-11	CARDON	4.7K	J 0	1/4W
R649 R800 R808	1-249-429-11 1-215-888-00	METAL OXIDE			2W 1/4W	R1217 R1218		LEAD, JUMPER			1/4W
R649 R800 R808 R810	1-249-429-11 1-215-888-00 1-215-888-00	METAL OXIDE METAL OXIDE CARBON	220					LEAD, JUMPER			1/4W



REF. NO.	PART.NO	DESCRIPT	TION		REMARK	REF. NO.	PART.NO	DESCRIPTIO	N		REMARI
R1221	1-249-433-11	CARBON	22K	5%	1/4W		< RESISTO	OR >			
R1223	1-249-417-11	CARBON	1K	5%	1/4W						
R1224	1-249-417-11	CARBON	1K	5%	1/4W	R504	1-215-457-00	METAL	33K	1%	1/4W
						R506	1-215-441-00	METAL	6.8K	1%	1/4W
	< RELAY >					R519	1-215-443-00	METAL	8.2K	1%	1/4W
						R521	1-215-455-00	METAL	27K	1%	1/4W
RY600	△ 1-755-198-11	RELAY				R610	1-215-429-00	METAL	2.2K	1%	1/4W
RY601	△ 1-755-266-11	RELAY, AC	POWER								
						R802	1-215-437-00	METAL	4.7K	1%	1/4W
	< SWITCH	>				R803	1-247-843-11	CARBON	3.3K	5%	1/4W
						R804	1-249-427-11	CARBON	6.8K	5%	1/4W
S801	1-572-707-11	SWITCH, LE	VER			R805	1-249-435-00	CARBON	33K	5%	1/4W
						R806	1-247-887-00	CARBON	220K	5%	1/4W
	< SPARK G	AP >									
						R809	1-247-893-11	CARBON	390K	5%	1/4W
SG801	1-519-422-11	GAP, SPARK				R824	1-215-423-00	METAL	1.2K	1%	1/4W
SG802	1-519-422-11	GAP, SPARK				R828	1-215-449-00	METAL	15K	1%	1/4W
SG803	1-519-422-11	GAP, SPARK				R835	1-216-471-11	METAL OXIDE	27	5%	3W
						R843	1-247-891-00	CARBON	330K	5%	1/4W
	< TRANSFO	RMER >									
						R846	1-247-893-11	CARBON	390K	5%	1/4W
T601	△ 1-429-604-11	TRANSFORME	R, CONVE	RTER		R847	1-247-897-11	CARBON	560K	5%	1/4W
T800	1-426-981-61	TRANSFORME	R, FERRI	TE (PM	IT)	R848	1-249-433-11	CARBON	22K	5%	1/4W
T803	△ 1-453-332-11	TRANSFORME	R ASSY, 1	FLYBAC	K (NX4521//J114)						
T804	1-437-195-11	TRANSFORME	R, HORIZO	ONTAL	DRIVE		< TRANSFO	RMER >			
	< THERMIS	TOR >				T805	1-433-980-12	TRANSFORMER,	HORIZO	NTAL	LINEAR

THP600 △ 1-809-827-11 THERMIS!	TOR, POSITIVE
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D Board	variant Part	s KV-28DX	300

	< CAPACIT	'OR >				
C502	1-102-824-00	CERAMIC	470PF	5.00%	50V	
C801	1-137-368-11	MYLAR	0.0047UF	5.00%	50V	
C812	1-136-540-11	FILM	0.82UF	5.00%	200V	
C813	1-129-724-00	FILM	0.068UF	5.00%	630V	
C814	1-136-732-11	FILM	0.021UF	3.00%	1.4KV	
C818	1-162-134-11	CERAMIC	470UF	10.00%	2KV	
C845	1-101-880-00	CERAMIC	47PF	5.00%	50V	
	< CONNECT	OR >				
CN615	1-695-915-11	TAB (CONTACT	!)			
		•	•			
	< DIODE >	•				
D802	8-719-991-33	DIODE 1SS133	T-77			
	< COIT >					
L803	1-420-872-00	COIL, AIR CO	RE			

D Board	Variant Pa	ırts KV	/-32DX30U

l		a variant a				
		< CAPACITO	OR >			
l	C502	1-102-119-00	CERAMIC	0.015UF	10.00%	50V
I	C801	1-137-372-11	MYLAR	0.022UF	5.00%	50V
I	C812	1-136-853-11	FILM	0.56UF	5.00%	200V
١	C813	1-129-723-00	FILM	0.056UF	5.00%	630V
١	C814	1-136-735-11	FILM	0.019UF	3.00%	1.4KV
ĺ						
١	C818	1-117-214-11	CERAMIC	0.001UF	10.00%	2KV
١	C845	1-247-903-00	CARBON	1M	5%	1/4W
I						
١		< DIODE >				
I						
l	D802	1-535-465-11	LEAD, JUMPER	(5.0MM)		
I						
١		< COIL >				
I	L803	1-535-465-11	TEND TIMBED	/E (NAV)		
I	. толо	1-555-465-11	LEAD, JUMPER	(3.UMM)		
١		< RESISTO	R >			
I		(1001010	. ,			
	R504	1-215-447-00	METAL	12K 1%	1/4W	
I	R506	1-215-455-00	METAL	27K 1%		
	R519	1-215-451-00	METAL	18K 1%	1/4W	
l	R521	1-215-459-00	METAL	39K 1%	1/4W	
١	R610	1-215-427-00	METAL	1.8K 1%	1/4W	
ı						

The components identified by shading and marked Δ are critical for safety Replace only with the part number specified.

D	H8	Н
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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R802	1-215-443-00	METAL 8.2K	1% 1/ 4 W	*A-1	647-041-A H	l Board, Complete	
R803	1-249-427-11	CARBON 6.8K	5% 1/4W			,	
R805	1-215-451-00	METAL 18K	1% 1/ 4W		*4-374-846-01	COVER, CAPACITOR, CAP	TYPE
R806	1-247-895-91	CARBON 470K	5% 1/4W				
R809	1-247-891-00	CARBON 330K	5% 1/ 4W		< CAPACI	ror >	
R824	1-249-420-00	CARBON 1.8K	5% 1/ 4W	C5617	1-126-971-11	ELECT 470UF	20.00% 50V
R828	1-249-432-00	CARBON 18K	5% 1/4W	C5621	1-136-165-00	FILM 0.1UF	5.00% 50V
R835	1-215-907-11	METAL OXIDE 22	5% 3₩	C5623	1-104-666-11	ELECT 220UF	20.00% 25V
R846	1-259-883-11	CARBON 3.9M	5% 1/4W	C5633	△ 1-107-563-11	FILM 0.1UF	20.00% 300V
R847	1-259-880-11	CARBON 2.2M	5% 1/4W	C5635	△ 1-107-563-11	FILM 0.1UF	20.00% 300V
R848	1-259-880-11	CARBON 2.2M	5% 1/ 4W	C5654	1-136-165-00	FILM 0.1UF	5.00% 50V
				C5655	1-107-974-11	CERAMIC 47PF	5.00% 2KV
	< TRANSFO	ORMER >		C5657	1-126-967-11	ELECT 47UF	20.00% 50V
				C5658	1-107-679-91	ELECT 10UF	20.00% 450V
805	1-435-107-11	TRANSFORMER, HORIZON	TAL LINEAR		< CONNECT	ror >	
*A-16	46-223-A H	18 Board, Complet	e				
				,		PIN, CONNECTOR (POWER	•
	4-205-711-01	HOLDER, LED				PIN, CONNECTOR (PC BO.	
						PIN, CONNECTOR (PC BO	•
	< CAPACIT	TOR >				PIN, CONNECTOR (POWER	•
				CN5609	↑ *1-691-291-11	PIN, CONNECTOR (PC BO	ARD) 5P
7150	1-126-969-11	ELECT 220UF	20.00% 50V	CN5901	*1-568-882-51	PIN, CONNECTOR 7P	
	< CONNECT	rop \		CN5905	*1-564-511-11	PLUG, CONNECTOR 8P	
	COMMEC	iok >		CN5906	*1-564-510-11	PLUG, CONNECTOR 7P	
CN7150	*1-564-508-11	PLUG, CONNECTOR 5P			< DIODE :	>	
	< DIODE >	>		D5601	8-719-160-65	DIODE RD16FB2	
				D5602		DIODE 1SS133T-77	
7150	8-719-081-56	DIODE L-59SRGC-CC		D5639		DIODE MTZJ-T-77-6.2B	
7152	8-719-109-89	DIODE MTZJ-T-77-5.6B		D5640		DIODE D1NL20U-TA2	
				D5640		DIODE D4SB60L-F	
	< IC >			D3642	0-/19-510-55	DIODE D42BOOT-1	
IC7150	8-749-014-59	IC TSOP1740KS1			< FUSE >		
	/ mdamete	Pπ∩P \		F5601	△ 1-576-232-21	FUSE (H.B.C.) 5A/250V	
	< TRANSIS	7 A)10K /			△ *1-533-725-11	HOLDER, FUSE (F5601)	
27150	8-729-029-56	TRANSISTOR DTA144ESA	-TP		< IC >		
	< RESISTO	OR >		IC5604	8-759-510-52	IC L4941BV	
				IC5605			
R7150	1-249-409-11		•			IC TLP721 (D4-GR.T)	
7151	1-249-411-11		-, -,	103000	T 0 149 013 21	TO THE PET (DT GR. I)	
R7152		LEAD, JUMPER (5.00MM			< COIL >		
R7153	1-249-425-11	CARBON 4.7K	5% 1/4W		/ COIT >		
R7154	1-249-410-11	CARBON 270	5% 1/4W	L5608	1-412-527-11	INDUCTOR 15UH	
R7155	1-249-418-11	CARBON 1.2K	5% 1/4W		✓ mdynote	מחשב	
					< TRANSIS) I/W /	
				Q5601	8-729-119-78	TRANSISTOR 2SC1740S-R	T
					,		



The components identified by shading and marked Δ are critical for safety Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTIO	N	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON	REMARK
	< RESISTO	OR >				< COIT >			
5601	1-247-807-31	CARBON	100 5%	1/4W	L3201	1-402-711-11	INDUCTOR	1UH	
5602	1-249-389-11	CARBON	4.7 5%	1/4W	L3203	1-402-711-11	INDUCTOR	1UH	
5603	1-535-465-11	LEAD, JUMPER	(5.00MM)	·	L3205	1-402-711-11	INDUCTOR	1UH	
5629 △	1-260-135-11		1M 5%	1/2W	L3206	1-402-711-11	INDUCTOR	1UH	
	1-217-155-00	METAL	1 10%	2W	L3208	1-402-711-11	INDUCTOR	1UH	
5641	1-249-417-11		1K 5%	1/4W		< RESISTO	R >		
15653	1-215-863-11		100 5%	1W	D2201	1 040 400 11	CARRON	E CV	E0 1 / Atr
5904	1-249-389-11	CARBON	4.7 5%	1/4W	R3201 R3202	1-249-426-11 1-249-426-11		5.6K	•
	/ DELAY >				R3202	1-249-426-11		5.6K 5.6K	
	< RELAY >				1				
WECOO A	1 755 045 11	DELTAY AC DO	LIED		R3204	1-249-426-11		5.6K	·
15602 A	1-755-245-11	RELAY, AC PO	MEK		R3205	1-247-807-31	CARBON	100	5% 1/4W
	< TRANSFO	PRMER >				< SWITCH	>		
	1-431-402-11 1-431-402-11				S3201	1-771-784-11	SWITCH, PUS	H BUTTON	
!5602 △	1-433-925-12	TRANSFORMER,	CONVERTER		*A-16	54-051-A N	Board, Co	omplete	
	< VARISTO	OR >				4-204-791-01	SCREW + B,	2X8	
⁄DR5601 △	1-803-830-11	VARISTOR (ER	ZV14D621)			< CAPACIT	OR >		
		•	,		C3101	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
*A-165	51-143-A J	Board, Cor	nplete		C3102	1-163-021-91			10.00% 50V
		•			C3103	1-163-251-11			5.00% 50V
	< CAPACIT	'OR >			C3104	1-163-021-91			10.00% 50V
					C3105	1-126-964-11	ELECT	10UF	20.00% 50V
3203	1-101-005-00	CERAMIC	0.022UF	50V					
3204	1-101-005-00	CERAMIC	0.022UF	50V	C3106	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
3205	1-101-005-00	CERAMIC	0.022UF	50V	C3107	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
3206	1-101-005-00	CERAMIC	0.022UF	50V	C3109	1-163-251-11	CERAMIC CHI	P 100PF	5.00% 50V
:3207	1-101-005-00	CERAMIC	0.022UF	50V	C3110	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
					C3111	1-163-251-11			5.00% 50V
3208	1-101-005-00	CERAMIC	0.022UF	50V					
3211	1-101-005-00	CERAMIC	0.022UF	50V	C3112	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
3212	1-101-005-00	CERAMIC	0.022UF	50V	C3113	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
3215	1-101-005-00	CERAMIC	0.022UF	50V	C3114	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
					C3115	1-163-251-11	CERAMIC CHI	P 100PF	5.00% 50V
	< CONNECT	OR >			C3116	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
		CONNECTOR BO	OARD TO BOAR	D 12P	C3118	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
N3201	*1-770-748-11	001111202011/			C3121	1-163-021-91			10.00% 50V
	*1-770-748-11 *1-564-507-11		TOR 4P						
N3202		PLUG, CONNEC			C3122	1-163-021-91	CERAMIC CHI	P 0.01UF	10.00% 50V
N3202 N3203	*1-564-507-11	PLUG, CONNECTO	OR 4P			1-163-021-91 1-163-038-11			10.00% 50V 25V
:N3202 :N3203 :N3205	*1-564-507-11 *1-568-879-11	PLUG, CONNECTO PIN, CONNECTO PLUG, CONNECTO	OR 4P TOR 7P		C3122		CERAMIC CHI	P 0.1UF	
:N3202 :N3203 :N3205	*1-564-507-11 *1-568-879-11 *1-564-510-11	PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO	OR 4P TOR 7P		C3122 C3128	1-163-038-11	CERAMIC CHI	P 0.1UF P 0.01UF	25V
N3202 N3203 N3205	*1-564-507-11 *1-568-879-11 *1-564-510-11 *1-564-510-11	PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO	OR 4P TOR 7P		C3122 C3128 C3129	1-163-038-11 1-163-021-91	CERAMIC CHI CERAMIC CHI	P 0.1UF P 0.01UF P 0.01UF	25V 10.00% 50V
N3202 N3203 N3205 N3206	*1-564-507-11 *1-568-879-11 *1-564-510-11 *1-564-510-11 < SOCKET	PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO	OR 4P TOR 7P TOR 7P		C3122 C3128 C3129 C3130	1-163-038-11 1-163-021-91 1-163-021-91	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 0.1UF P 0.01UF P 0.01UF P 330PF	25V 10.00% 50V 10.00% 50V
EN3201 EN3202 EN3203 EN3205 EN3206	*1-564-507-11 *1-568-879-11 *1-564-510-11 *1-564-510-11 < SOCKET	PLUG, CONNECTOR PLUG, CONNECTO	OR 4P TOR 7P TOR 7P		C3122 C3128 C3129 C3130 C3131	1-163-038-11 1-163-021-91 1-163-021-91 1-163-263-11	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 0.1UF P 0.01UF P 0.01UF P 330PF P 0.01UF	25V 10.00% 50V 10.00% 50V 5.00% 50V



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C3136	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V	C3323	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3137	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3324	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3138	1-107-888-11	ELECT 47UF	20.00% 25V	C3325	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3142	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3326	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C3143	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3327	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C3144	1-163-159-00	CERAMIC CHIP 12PF	2.00% 50V	C3328	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3145	1-126-964-11	ELECT 10UF	20.00% 50V	C3329	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3201	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3330	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3202	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3331	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3203	1-126-964-11	ELECT 10UF	20.00% 50V	C3332	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C3204	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3333	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3205	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3334	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3206	1-126-964-11	ELECT 10UF	20.00% 50V	C3336	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3207	1-126-964-11	ELECT 10UF	20.00% 50V	C3337	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3208	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C3339	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3209	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	C3340	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3210	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3341	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3211	1-126-964-11		20.00% 50V	C3342	1-163-021-91		10.00% 50V
C3212	1-163-021-91		10.00% 50V	C3343		CERAMIC CHIP 330PF	5.00% 50V
C3213	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C3344	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3214	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3345	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3215	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3346	1-107-888-11	ELECT 47UF	20.00% 25V
C3216	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3347	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3217	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3401	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3218	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3402	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3219	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3412	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C3220	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C3413	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3221	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C3414	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3222	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3415	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3223	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3416	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3224	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3417	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3225	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C3418	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3226	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3419	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3227	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3420	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3228	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C3421	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3229	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C3422	1-163-038-11	CERAMIC CHIP 0.1UF	25V
C3230	1-107-888-11	ELECT 47UF	20.00% 25V	C3425	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3231	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V				
C3232	1-107-888-11	ELECT 47UF	20.00% 25V		< FILTER	>	
C3233	1-163-263-11	CERAMIC CHIP 330PF	5.00% 50V	003101	1 540 040 00	PEDDIME ^***	
U330E	1_160 001 01	CEDAMIC CUITO O OLUE	10 00% 5007	CF3101	1-543-948-22		
C3305		CERAMIC CHIP 0.01UF	10.00% 50V	CF3102	1-543-948-22		
C3308		CERAMIC CHIP 0.01UF	10.00% 50V	CF3104	1-543-948-22		
C3311	1-107-888-11	ELECT 47UF CERAMIC CHIP 0.01UF	20.00% 25V 10.00% 50V	CF3106 CF3108	1-216-295-11 1-543-948-22		
C3315 C3318		CERAMIC CHIP 0.01UF		CE3109	1-040-946-22	LEKKIIE UUH	
C3318	1-103-021-91	CERAMIC CHIP U.UIUF	10.00% 50V	CF3109	1-543-948-22	FERRITE OUH	
C3319	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	CF3109 CF3110	1-543-948-22		
C3319		CERAMIC CHIP 0.01UF	10.00% 50V	CF3110	1-543-948-22		
55520	1 103 021 91	CLICATIO CHIE V.VIOE	70.000 204	0.3111	1 343 340 22	THATTE VOII	



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
CF3112	1-543-948-22	FERRITE	OUH	FL3112	1-239-558-11	FILTER, CHIP EMI	
CF3113	1-543-948-22	FERRITE	OUH	FL3113	1-239-558-11	FILTER, CHIP EMI	
CF3114	1-543-948-22	FERRITE	OUH	FL3114	1-239-558-11	FILTER, CHIP EMI	
CF3115	1-543-948-22	FERRITE	OUH	FL3201	1-239-899-21	FILTER, CHIP EMI	
CF3116	1-500-245-11	FERRITE	OUH	FL3203		FILTER, CHIP EMI	
CF3122	1-500-245-11	FERRITE	OUH	FL3206	1-239-899-21	FILTER, CHIP EMI	
CF3123	1-500-245-11		OUH	FL3301		FILTER, CHIP EMI	
CF3124	1-500-245-11		OUH	FL3302		FILTER, CHIP EMI	
CF3201	1-500-245-11		OUH	FL3307		FILTER, CHIP EMI	
CF3201	1-500-245-11		OUH	FL3307		FILTER, CHIP EMI	
			•				
CF3203	1-500-245-11		OUH	FL3310		FILTER, CHIP EMI	
CF3301	1-414-232-22		OUH	FL3311		FILTER, CHIP EMI	
CF3302	1-414-232-22	INDUCTOR	OUH	FL3401		FILTER, CHIP EMI	
CF3303	1-414-232-22	INDUCTOR	OUH	FL3402	1-239-899-21	FILTER, CHIP EMI	
CF3304	1-414-232-22	INDUCTOR	OUH	FL3403	1-239-899-21	FILTER, CHIP EMI	
CF3305	1-414-232-22	INDUCTOR	OUH		< IC >		
CF3306	1-414-232-22	INDUCTOR	OUH				
CF3307	1-414-232-22	INDUCTOR	OUH	IC3101	8-759-398-17	IC MC74HC04ADR2	
CF3308	1-414-232-22	INDUCTOR	OUH	IC3102	8-759-560-76	IC 74LV08D-118	
CF3309	1-500-245-11	FERRITE	OUH	IC3103	8-759-590-03	IC AVIA-GTX-PCO	
				IC3112	8-759-684-72	IC M24C64-WMN6T	
	< CONNECT	OR >		IC3113	8-759-638-52	IC AS4LC1M16E5-60TCTR	
CN3101	1-695-302-11	CONNECTOR BOA	RD TO BOARD 50P	IC3114	8-759-638-52	IC AS4LC1M16E5-60TCTR	
CN3102		PLUG, CONNECTO		IC3115		IC TC7SH04F (TE85R)	
N3102				IC3117		IC TC7SH08F-TE85R	
		SOCKET, CONNEC		IC3117			
CN3302		PIN, CONNECTOR		1		IC MK2720STR	
CN3303	^1-364-310-11	PLUG, CONNECTO	K /P	IC3119	8-739-342-07	IC 74LV244D-118	
CN3401	1-785-770-11	CONNECTOR, CAR	D (PCMCIA CARD)	IC3120		IC TC7SH08F-TE85R	
				IC3201		IC NJM3404AM-TE1	
	< DIODE >			IC3202		IC SAA7120H/V1	
				IC3203	8-759-491-20		
)3305)3306		DIODE DAN202K- DIODE MA3130WA		IC3204	8-759-492-07	IC 74LV86D-118	
3307		DIODE MA3130WA		IC3205	8-750-560-24	IC SAA7201-C2D	
D3307		DIODE MASISOWA		IC3205		IC 74LV164D-118	
				1		IC HYB39516160CT.6	
03309	0-113-421-39	DIODE MA3130WA	TV	IC3207 IC3208		IC L78L05ACZ-AP	
	< FUSE >			IC3208		IC TC7SH08F-TE85R	
-0001	4 800 000 00				0 880 010 00		
F3301	1-533-900-21	FUSE		IC3301		IC PST575DMT-T1	
				IC3304		IC AS4LC1M16E5-60TCTR	
	< FILTER	>		IC3307		IC AS4LC1M16E5-60TCTR	
				IC3308		IC MCF5206EFT25	
FL3101		FILTER, CHIP E		IC3309	8-759-713-02	IC MBM29LV160BE-90TN-BE	2401
FL3102		FILTER, CHIP E					
FL3107	1-239-899-21	FILTER, CHIP E	MI	IC3310	8-759-561-60	IC MBM29LV160B-90PFTN	
FL3108	1-239-899-21	FILTER, CHIP E	MI	IC3312	8-759-542-03	IC 74LV11D-118	
	1-239-558-11	FILTER, CHIP E	MI	IC3313	8-759-492-09	IC 74LV00D-118	
				1		110	
				IC3315	8-759-577-89	IC 74LV273D-118	
FL3109 FL3110		FILTER, CHIP E	MI	IC3315 IC3316		IC 74LV273D-118 IC 74LV373D-118	



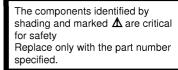
REF. NO.	PART.NO	DESCRIPTIO	DN		REMAR	K	REF. NO.	PART.NO	DESCRIPTIO	N		REMARK
IC3317	8-759-542-07	IC 74LV244D-	-118				R3125	1-216-295-11	SHORT	0		
IC3318	8-759-560-75	IC 74LV157D-	-118				R3126	1-216-049-11	RES-CHIP	1K	5%	1/10W
IC3320	8-759-492-09	IC 74LV00D-1	118				R3128	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
IC3321	8-759-325-67	IC TC7SH04F	(TE85R)				R3129	1-216-295-11	SHORT	0		
IC3402	8-759-542-07	IC 74LV244D-	-118				R3130	1-216-295-11	SHORT	0		
IC3403	8-759-542-06	IC 74LV245D-	-118				R3132	1-216-017-91	RES-CHIP	47	5%	1/10W
IC3404	8-759-542-07	IC 74LV244D-	-118				R3133	1-216-017-91	RES-CHIP	47	5%	1/10W
IC3405	8-759-542-07	IC 74LV244D-	-118				R3134	1-216-017-91	RES-CHIP	47	5%	1/10W
IC3406	8-752-397-41	IC CXD1957AQ	Q-TL				R3135	1-216-017-91	RES-CHIP	47	5%	1/10W
IC3407	8-759-542-07	IC 74LV244D-	-118				R3136	1-216-295-11	SHORT	0		
IC3408	8-759-542-07	IC 74LV244D-	-118				R3138	1-216-295-11	SHORT	0		
IC3409	8-759-542-07	IC 74LV244D-	-118				R3141	1-216-025-11	RES-CHIP	100	5%	1/10W
IC3410	8-759-542-07	IC 74LV244D-	-118				R3142	1-216-025-11		100	5%	1/10W
IC3411	8-759-542-07	IC 74LV244D-	-118				R3143	1-216-025-11		100	5%	1/10W
IC3412	*8-759-346-63			₹			R3144	1-216-025-11		100	5%	1/10W
IC3413	8-759-325-67	IC TC7SH04F	(TE85R)				R3145	1-216-025-11	RES-CHIP	100	5%	1/10W
IC3416	8-759-234-77	IC TC4S66F-T	re85L				R3146	1-216-025-11	RES-CHIP	100	5%	1/10W
							R3147	1-216-025-11	RES-CHIP	100	5%	1/10W
	< TRANSIS	TOR >					R3148	1-216-025-11	RES-CHIP	100	5%	1/10W
							R3149	1-216-025-11		100	5%	1/10W
Q3101	1-801-806-11											4.44.
Q3201	8-729-120-28						R3150	1-216-025-11		100	5%	1/10W
Q3202		TRANSISTOR 2SA1037AK-T146-R					R3151	1-216-017-91		47	5%	1/10W
Q3301		TRANSISTOR 2SB1132-T101-QR				R3154	1-216-025-11		100	5% 	1/10W	
Q3302	1-801-806-11	TRANSISTOR I	OTC144EK	(A-T14	6		R3155	1-216-025-11		100	5%	1/10W
Q3303	1-801-806-11	TOWNSTEROD I	ስጥሮ1 <i>ለ ለ</i> ፑ ዩ	7λ – Ψ1 <i>I</i>	6		R3156	1-216-025-11	RES-CHIP	100	5%	1/10W
Q3401	1-801-806-11						R3157	1-216-025-11	DEC_CUTD	100	5%	1/10W
Q3401 Q3402	1-801-806-11						R3158	1-216-025-11		100	5%	1/10W
Q3402	1 001 000 11	IMMOIDION I	71014451	W 113	U		R3159	1-216-025-11		100	5%	1/10W
	< RESISTO	D \					R3160	1-216-025-11		100	5%	1/10W
	/ KESISIO						R3161	1-216-025-11		100	5%	1/10W
R3102	1-216-025-11	RES-CHIP	100	5%	1/10W							
R3103	1-216-025-11	RES-CHIP	100	5%	1/10W		R3162	1-216-025-11	RES-CHIP	100	5%	1/10W
R3105	1-216-025-11	RES-CHIP	100	5%	1/10W		R3163	1-216-025-11	RES-CHIP	100	5%	1/10W
R3107	1-216-025-11	RES-CHIP	100	5%	1/10W		R3201	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R3108	1-216-073-00	RES-CHIP	10K	5%	1/10W		R3202	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
D2100	1_016 040 11	DEC CUIT	1 17	F 0.	1 /1 /53		R3203	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R3109	1-216-049-11		1K	5% = 0	1/10W		D2204	1_016,600,11	MEMAI CUID	2017	A E0	1 /1 OW
R3110	1-216-049-11		1K	5% = 0.	1/10W		R3204	1-216-683-11		22K		1/10W
R3111	1-216-049-11		1K	5% = 0.	1/10W		R3205	1-216-043-91		560	5%	1/10W
R3112	1-216-025-11		100	5% = 0	1/10W		R3206	1-216-675-91		10K		1/10W
R3113	1-216-025-11	RES-CHIP	100	5%	1/10W		R3207 R3208	1-216-073-00 1-216-689-11		10K 39K	5% 5%	1/10W 1/10W
R3114	1-216-049-11	RES-CHIP	1K	5%	1/10W							
R3115	1-216-049-11		1K	5%	1/10W		R3209	1-216-689-11	RES-CHIP	39K	5%	1/10W
R3116	1-216-295-11		0				R3210	1-216-675-91		10K		1/10W
R3117	1-216-295-11		0				R3211	1-216-073-00		10K	5%	1/10W
R3120	1-216-025-11		100	5%	1/10W		R3212	1-216-057-00		2.2K		1/10W
			-**		•		R3213	1-216-057-00		2.2K		1/10W
R3121	1-216-017-91	RES-CHIP	47	5%	1/10W							
R3122	1-216-017-91	RES-CHIP	47	5%	1/10W		R3214	1-216-295-11	SHORT	0		
R3124	1-216-017-91	RES-CHIP	47	5%	1/10W		R3215	1-216-073-00	RES-CHIP	10K	5%	1/10W



REF. NO.	PART.NO	DESCRIPTION	ON		REMARK	REF. NO.	PART.NO	DESCRIPT	ION		REMARK
R3216	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R3340	1-216-073-00	RES-CHIP	10K	5%	1/10W
R3217	1-216-025-11	RES-CHIP	100	5%	1/10W	R3341	1-216-073-00	RES-CHIP	10K	5%	1/10W
R3218	1-216-025-11	RES-CHIP	100	5%	1/10W	R3342	1-216-295-11	SHORT	0		
R3219	1-216-025-11	RES-CHIP	100	5%	1/10W	R3343	1-216-295-11	SHORT	0		
R3220	1-216-025-11	RES-CHIP	100	5%	1/10W	R3344	1-216-295-11	SHORT	0		
R3222	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3345	1-216-295-11	SHORT	0		
R3223	1-216-049-11		1K	5%	1/10W	R3346	1-216-025-11		100	5%	1/10W
R3224	1-216-061-00		3.3K	5%	1/10W	R3347	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3226	1-216-017-91		47	5%	1/10W	R3348	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3227	1-216-295-11	SHORT	0		-,	R3349	1-216-017-91		47	5%	1/10W
R3228	1-216-022-00	RES-CHIP	75	5%	1/10W	R3350	1-216-295-11	SHORT	0		
R3229	1-216-049-11	RES-CHIP	1K	5% 5%	1/10W	R3351	1-216-295-11	SHORT	0		
R3230	1-216-025-11		100	5% 5%	1/10W	R3352	1-216-295-11	SHORT	0		
R3231	1-216-025-11		100	5% 5%	1/10W	R3354	1-216-295-11	SHORT	0		
R3232	1-216-025-11		100	5%	1/10W 1/10W	R3355	1-216-295-11	SHORT	0		
R3233	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3357	1-216-295-11	SHORT	0		
R3234	1-216-049-11		1K	5%	1/10W 1/10W	R3359	1-216-295-11	SHORT	0		
R3234 R3235	1-216-049-11		1K 1K	ວ∜ 5%	1/10W 1/10W	R3359	1-216-295-11	RES-CHIP	0 1K	5%	1/10W
R3237	1-216-049-11		1K	5% 5%	1/10W 1/10W	R3362	1-216-049-11	RES-CHIP	1K	5%	1/10W 1/10W
R3238	1-216-049-11		1K 1K	ວ∜ 5%	1/10W 1/10W	R3362	1-216-049-11	RES-CHIP	1K	ეგ 5%	1/10W 1/10W
NJ2J0	1-210-043-11	VED_CUIL	IV	Jo	1/100	2303	T-510-042-11	VEO-CUIL	īν	Jö	1/10π
R3239	1-216-025-11	RES-CHIP	100	5%	1/10W	R3401	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3240	1-216-025-11	RES-CHIP	100	5%	1/10W	R3402	1-216-073-00	RES-CHIP	10K	5%	1/10W
R3241	1-216-025-11	RES-CHIP	100	5%	1/10W	R3403	1-216-073-00	RES-CHIP	10K	5%	1/10W
R3244	1-216-017-91	RES-CHIP	47	5%	1/10W	R3404	1-216-073-00	RES-CHIP	10K	5%	1/10W
R3245	1-216-017-91	RES-CHIP	47	5%	1/10W	R3405	1-216-081-00	RES-CHIP	22K	5%	1/10W
R3246	1-216-017-91	RES-CHIP	47	5%	1/10W	R3406	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3301	1-216-025-11	RES-CHIP	100	5%	1/10W	R3407	1-216-295-11	SHORT	0		
R3302	1-216-025-11		100	5%	1/10W	R3410	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3303	1-216-049-11		1K	5%	1/10W	R3411	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3304	1-216-295-11	SHORT	0			R3412	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3305	1-216-025-11	RES-CHIP	100	5%	1/10W	R3416	1-216-017-91	RES-CHIP	47	5%	1/10W
R3306	1-216-025-11		100	5%	1/10W	R3417	1-216-049-11		1K	5%	1/10W
R3307	1-216-025-11		100	5%	1/10W	R3418	1-216-049-11		1K	5%	1/10W
R3309	1-216-049-11		1K	5% 5%	1/10W	R3419	1-216-049-11		1K	5% 5%	1/10W
R3310	1-216-073-00		10K	5%	1/10W	R3420	1-216-049-11		1K	5%	1/10W
R3311	1-216-043-91	RES-CHIP	560	5%	1/10W	R3421	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3313	1-216-049-11		1K	5%	1/10W	R3422	1-216-049-11		1K	5%	1/10W
R3315	1-216-049-11		1K	5% 5%	1/10W	R3423	1-216-049-11		1K	5% 5%	1/10W
R3327	1-216-049-11		1K	5%	1/10W	R3424	1-216-049-11		1K	5%	1/10W
R3328	1-216-049-11		1K	5%	1/10W	R3425	1-216-049-11		1K	5%	1/10W
R3329	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3426	1-216-049-11	RES-CHIP	1K	5%	1/10W
R3330	1-216-049-11		1K	5%	1/10W	R3427	1-216-049-11		1K	5% 5%	1/10W
R3331	1-216-049-11		1K	ე _ზ 5%	1/10W	R3428	1-216-049-11		47	ეი 5%	1/10W 1/10W
R3332	1-216-049-11		1K	5% 5%	1/10W	R3430	1-216-295-11		0	J 0	±/ ±vn
R3333	1-216-049-11		1K	5%	1/10W 1/10W	10400	I 210 23J-11	SHORT	V		
חבבבת	1 016 005 11	GIIODIII	۸								
R3338 R3339	1-216-295-11 1-216-049-11		0 1K	5%	1/10W						



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPT	ION	REI	WARK
	< RESISTO	OR CHIP NETWORK >			< CRYSTAL	· >			
RB3105	1-233-575-11	RES, CHIP NETWORK 22		X3102	1-781-212-21	VIBRATOR, (CRYSTAL		
RB3106	1-233-575-11	RES, CHIP NETWORK 22							
RB3107	1-233-575-11	RES, CHIP NETWORK 22		*Δ-16	44-107-A V	M Board	Complete		
RB3108	1-233-575-11	RES, CHIP NETWORK 22		A 10	11 10 <i>1</i> A V	W Boara,	Complete		
RB3110	1-233-575-11	RES, CHIP NETWORK 22			4-382-854-11	SCREW (M3X1	LO), P, SW (4	-)	
RB3111		RES, CHIP NETWORK 22			< CAPACIT	OR >			
RB3112	1-233-575-11	RES, CHIP NETWORK 22			(01111011	O			
RB3113	1-233-575-11	RES, CHIP NETWORK 22		C1701	1-126-933-11	RT.ROT	100UF	20.00%	16V
RB3114	1-233-575-11	RES, CHIP NETWORK 22		C1702	1-126-933-11		100UF	20.00%	
B3115	1-233-575-11	RES, CHIP NETWORK 22		C1702	1-120-933-11		0.047UF	5.00%	
B3116	1-233-575-11	RES, CHIP NETWORK 22		C1704	1-107-648-91		100UF	20.00%	
B3117		RES, CHIP NETWORK 22		C1705	1-107-638-11	ELECT	33UF	20.00%	160V
B3117		RES, CHIP NETWORK 22		1					
B3119		RES, CHIP NETWORK 47		C1706	1-104-999-11		0.1UF	5.00%	
				C1707	1-137-397-11	MYLAR	0.047UF	5.00%	100V
RB3120	1-239-409-11	RES, CHIP NETWORK 47	(3216)	C1708	1-130-471-00	MYLAR	0.001UF	5.00%	50V
				C1709	1-130-471-00	MYLAR	0.001UF	5.00%	50V
RB3201		RES, CHIP NETWORK 22		C1710	1-102-959-91	CERAMIC	22PF	5.00%	50V
RB3202	1-233-575-11	RES, CHIP NETWORK 22		*=:=*					
RB3203	1-233-575-11	RES, CHIP NETWORK 22		C1711	1-126-962-11	RIRCT	3.3UF	20.00%	50V
RB3204	1-233-575-11	RES, CHIP NETWORK 22		C1720	1-107-667-11		2.2UF	20.00%	
RB3205	1-233-575-11	RES, CHIP NETWORK 22							
		,		C1721	1-137-397-11		0.047UF	5.00%	
RB3206	1-233-575-11	RES, CHIP NETWORK 22		C1722	1-126-935-11		470UF	20.00%	
RB3207		RES, CHIP NETWORK 22		C1723	1-161-830-00	CERAMIC	0.0047UF		500V
RB3208		RES, CHIP NETWORK 22							
RB3209		RES, CHIP NETWORK 47		C1725	1-128-551-11	ELECT	22UF	20.00%	25V
				C1726	1-136-153-00	FILM	0.01UF	5.00%	50V
RB3210	1-239-409-11	RES, CHIP NETWORK 47	(3210)	C1801	1-104-664-11	ELECT	47UF	20.00%	25V
		· ·-		C1803	1-137-368-11	MYLAR	0.0047UF	5.00%	50V
RB3301		RES, CHIP NETWORK 47		C1804	1-126-964-11	ELECT	10UF	20.00%	50V
RB3302		RES, CHIP NETWORK 47							
RB3303	1-239-409-11	RES, CHIP NETWORK 47	(3216)	C1805	1-107-698-11	RLECT	10UF	20.00%	25V
RB3304	1-239-409-11	RES, CHIP NETWORK 47	(3216)	01000	1 107 050 11	22201	1001	20.000	
RB3305	1-239-409-11	RES, CHIP NETWORK 47	(3216)		< CONNECT	OR >			
RB3306	1-230-400-11	RES, CHIP NETWORK 47	(3216)						
RB3307		RES, CHIP NETWORK 47		CN1716	*1-564-506-11	PLUG, CONNE	ECTOR 3P		
				CN1717	*1-564-509-11	PLUG, CONNE	ECTOR 6P		
RB3308		RES, CHIP NETWORK 47		CN1718	*1-770-723-11	CONNECTOR,	BOARD TO BOA	RD 8P	
RB3309		RES, CHIP NETWORK 47		CN1719	1-568-878-51	PIN, CONNEC	CTOR 3P		
RB3310	1-239-409-11	RES, CHIP NETWORK 47	(3216)	CN1801	*1-564-508-11	PLUG, CONNE	ECTOR 5P		
RB3311	1-239-409-11	RES, CHIP NETWORK 47	(3216)	ONT1 000	+1 500 070 51	DIN CONTRA	מב מסשב		
RB3312		RES, CHIP NETWORK 47		CN1802	*1-568-878-51	PIN, CONNEC	JTUK 3P		
RB3313		RES, CHIP NETWORK 47	· ·						
RB3314		RES, CHIP NETWORK 47			< DIODE >	•			
				1					
RB3315	1-239-409-11	RES, CHIP NETWORK 47	(2210)	D1505	1-535-465-11	LEAD, JUMPE	ER (5.00MM)		
	4 000		1004.61	D1701	8-719-991-33	DIODE 1SS13	33T-77		
RB3316		RES, CHIP NETWORK 47	• •	D1702	8-719-110-88	DIODE MTZJ-	-T-77-39		
RB3317		RES, CHIP NETWORK 47	, ,	D1703	8-719-110-88				
			(201 C)	1	50				
RB3319	1-239-409-11	RES, CHIP NETWORK 47	(3216)	1801ת	8-719-921-71	DIODE MTZ.T-	-9-1R		
		RES, CHIP NETWORK 47 RES, CHIP NETWORK 47	, ,	D1801	8-719-921-71	DIODE MTZJ-	-9-1B		





	_										
REF. NO.	PART.NO	DESCRIPTION	ı		REMARK	REF. NO.	PART.NO	DESCRI	PTION		REMARK
	< IC >					R1726	1-249-429-11	CARBON	10K	5%	1/4W
						R1727	1-249-431-11	CARBON	15K	5%	1/4W
IC1801	8-759-701-59	IC MC7809CT				R1728	1-249-408-11	CARBON	180	5%	1/4W
IC1802	8-759-603-37	IC M5216P				R1729	1-249-408-11	CARBON	180	5%	1/4W
						R1730	1-249-417-11	CARBON	1K	5%	1/4W
	< COIL >					R1731	1-249-414-11	CARBON	560	5%	1/4W
L1701	1-535-465-11	LEAD, JUMPER	/5 00M	m\		R1806	1-247-883-00		150K		1/4W
L1703	1-408-603-31		10UH	 1/		R1807	1-249-429-11		10K	5%	1/4W
L1704	1-408-603-31		10UH			R1808	1-249-429-11		10K	5% 5%	1/4W
	1 100 000 01	111500101	200			R1809	1-249-429-11		10K	5%	1/4W
	< IC LINE	(>				R1810	1-249-429-11	CADRON	10K	5%	1/4W
PS1801 🛆	1-532-605-00	LINK, IC 0.4A	(ICP-F	F10)		KIOIO	1 249 429 11	CAIDON	1011	J 0	1/ 18
	< TRANSIS	STOR >									
Q1701	8-729-119-78	TRANSISTOR 2S	C1740S-	-RT							
Q1702	8-729-119-78	TRANSISTOR 2S	C1740S-	-RT							
Q1703	8-729-017-05	TRANSISTOR 2S	A1837								
Q1704	8-729-119-78	TRANSISTOR 2S	C1740S-	-RT							
Q1705	8-729-119-76	TRANSISTOR 2S	A1309A-	-QRSTA							
21706	8-729-017-06	TRANSISTOR 2S	C4793								
Q1708		TRANSISTOR 2S		-RT							
Q1709		TRANSISTOR 2S									
	< RESISTO	OR >									
R1701	1-249-397-11	CARBON	22	5% 1	/4W						
R1702	1-247-807-31				/4W						
R1703	1-249-416-11				/4W						
R1704	1-247-807-31				/4W						
R1706	1-249-409-11				/4W						
D1707	1 240 411 11	CADDON	220	E0. 1	/ Ati						
R1707 R1708	1-249-411-11 1-249-417-11				/4W /4W						
R1708 R1710	1-249-417-11				/ 4W / 4W						
R1711	1-249-403-11				/ 4W / 4W						
R1712	1-249-403-11				/4W /2W						
	1 040 000 45	anno									
R1713	1-249-386-11				/4W						
R1714	1-249-414-11				/4W						
R1715	1-249-432-11				/4W						
R1716	1-249-417-11				/4W						
R1717	1-216-476-11	METAL OXIDE	180	5% 31	N						
R1718	1-249-432-11				/4W						
R1719	1-249-385-11				/4W						
R1720	1-249-401-11				/4W						
R1721	1-249-414-11				/4W						
R1722	1-249-401-11	CARBON	47	5% 1,	/4W						
R1723	1-535-465-11	LEAD, JUMPER	(5.00MM	1)							
R1724	1-249-417-11				/4W						
R1725	1-249-417-11				/4W						
				•	•	1					

The components identified by shading and marked Δ are critical for safety Replace only with the part number specified.

REF. NO. PART.NO DESCRIPTION REMARK REF. NO. PART.NO DESCRIPTION REMARK

MISCELLANEOUS

Δ	1-416-466-11	COIL DEMAGNETIC	(KV-28DX30U)

△ 1-416-769-11 COIL DEMAGNETIC (KV-32DX30U)

1-452-032-00 MAGNET, DISK; 10MM

1-452-094-00 MAGNET, ROTATABLE DISK; 15MM

△ 1-453-332-11 TRANSFORMER ASSY, FLYBACK (NX-4521//J114)

1-529-408-11 SPEAKER (4.2x24CM)

1-452-896-11 COIL, NA ROTATION (RT200)

△ 1-571-433-21 SWITCH, PUSH (AC POWER)

 \triangle 1-776-204-12 POWER CORD, FILTER (UK)

1-693-339-11 TUNER/VIF (UK)

△ 8-737-786-05 PICTURE TUBE (W66LLX060X) (KV-28DX30U)

△ 8-735-054-05 PICTURE TUBE (W76LLZ060X) (KV-32DX30U)

△ 1-451-481-31 DEFLECTION YOKE (Y28RVC2) (KV-28DX30U)

△ 1-451-480-31 DEFLECTION YOKE (Y32RVC2) (KV-32DX30U)

△ 8-453-011-11 NECK ASSY, NA-299-M

△ 1-251-317-63 CAP ASSY, HIGH VOLTAGE

ACCESSORIES AND PACKAGING MATERIALS

4-205-754-61 MANUAL, INSTRUCTION (ENGLISH)

*4-395-957-01 BAG, PROTECTION (KV-28DX30U)

*4-029-168-01 BAG, PROTECTION (KV-32DX30U)

*4-205-503-01 INDIVIDUAL CARTON (KV-28DX30U)

*4-205-530-01 INDIVIDUAL CARTON (KV-32DX30U)

*4-205-504-01 CUSHION (UPPER) (ASSY) (KV-28DX30U)

*4-205-531-01 CUSHION (UPPER) (ASSY) (KV-32DX30U)

*4-205-505-01 CUSHION (LOWER) (ASSY) (KV-28DX30U)

*4-205-532-01 CUSHION (LOWER) (ASSY) (KV-32DX30U)

REMOTE COMMANDER

1-418-595-12 REMOTE COMMANDER (RM-888)